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SCPT Master List

LONMARK®
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Contents

Actual position feedback delay: SCPTactFbDly

The period for updating the feedback output when the actuator position does not match the requested position

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
1	7 bytes	SNVT_elapsed_tm				

Actuator Characteristic: SCPTactuatorCharacteristic

This configuration property can be used to provide the characteristic of the actuator

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
284	1 bytes	SNVT_dev_c_mode				

Actuator label: SCPTactuatorType

The identification of the exact actuator type or label

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
41	31 bytes	SNVT_str_asc				

AHAM Appliance Model: SCPTahamApplianceModel

Appliance Model code as defined by the Association of Home Appliance Manufacturers

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
304	1 bytes	aham_appl_t	-1	6	none (enumeration)	-1

Air flow offset: SCPToffsetFlow

Offset value used to calculate the active airflow setpoint by adding

nciFlowOffset to nviAirFlowSetpt

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
265	4 bytes	SNVT_flow_f				

Air temperature 1 percent alarm: SCPTairTemp1Alrm

The weighting of the air temp 1 sensor when calculating the air temp alarm

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
132	2 bytes	SNVT_lev_percent				

Air temperature 1 percent day: SCPTairTemp1Day

The air temperature weighting used during day control

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
126	2 bytes	SNVT_lev_percent				

Air temperature 1 percent night: SCPTairTemp1Night

The air temperature weighting used during night control

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
131	2 bytes	SNVT_lev_percent				

Alarm clear time 1: SCPTalrmClrT1

The time period that an alarm 1 condition must not exist before it is regarded as a valid cleared alarm

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
2	7 bytes	SNVT_elapsed_tm				

Alarm clear time 2: SCPTalrmClrT2

The time period that an alarm 2 condition must not exist before it is regarded as a valid cleared alarm

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
3	7 bytes	SNVT_elapsed_tm				

Alarm output inhibit time: SCPTalrmIhbT

The time period for which alarms are inhibited after an object is enabled or the node is reset

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
4	7 bytes	SNVT_elapsed_tm				

Alarm set time 1: SCPTalrmSetT1

The time period that an alarm 1 condition must exist before it is regarded as a valid alarm

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
5	7 bytes	SNVT_elapsed_tm				

Alarm set time 2: SCPTalrmSetT2

The time period that an alarm 2 condition must exist before it is regarded as a valid alarm

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
6	7 bytes	SNVT_elapsed_tm				

Audible level: SCPTaudibleLevel

The audible level output of the device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
228	2 bytes	SNVT_switch				

Audible sound output intensity: SCPTaudOutput

Audible sound output intensity specification of the device at 1 meter distant

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
144	2 bytes	SNVT_sound_db				

Auto answer: SCPTautoAnswer

Enable the automatic call answer function of a device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
177	1 bytes	boolean_t	-1	1	none (enumeration)	-1

Backup Schedule: SCPTbkupSchedule

Index	Size	Data Type			
344	4 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Hour ON: **SCPTbkupSchedule.hour_on** *Time when the luminare will be switched ON in case of communication failure*			unsigned short 255	23 0	$1\times10^{0}\times(Raw+0)$ 1 Hours
Minute ON: **SCPTbkupSchedule.minute_on** *Time when the luminare will be switched ON in case of communication failure*			unsigned short (none)	59 0	$1\times10^{0}\times(Raw+0)$ 1 Minutes
Hour OFF: **SCPTbkupSchedule.hour_off** *Time when the luminare will be switched OFF in*			unsigned short 255	23 0	$1\times10^{0}\times(Raw+0)$ 1 Hours

case of communication failure			
Minute OFF: **SCPTbkupSchedule.minute_off** *Time when the luminare will be switched OFF in case of communication failure*	unsigned short (none)	59 0	$1 \times 10^{0} \times (Raw+0)$ 1 Minute

Base value: SCPTbaseValue

The base value (where to begin counting)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
164	6 bytes	SNVT_reg_val				

Brightness output: SCPTbrightness

The brightness output of a display device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
230	2 bytes	SNVT_switch				

Building static pressure: SCPTbuildingStaticPressureSetpoint

Setpoint for the default static pressure for the building

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
193	2 bytes	SNVT_press_p				

Button color.: SCPTbuttonColor

Button color configuration for on and off states of a button. May be used to create an array that is used with a SCPTbuttonAction array to specify keypad button behavior.

Index	Size	Data Type	
312	6 bytes	structure	

Field	Data Type / Invalid Value	Maximum / Minimum	Scaled Value / Resolution
On color.: **SCPTbuttonColor.on_color** *RGB color for the on state.*	structure RGB color for the on state.		
Red.: **SCPTbuttonColor.on_color.red** *Red level component of the on state color*	unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
Green.: **SCPTbuttonColor.on_color.green** *Green level component of the on state color*	unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
Blue.: **SCPTbuttonColor.on_color.blue** *Blue level component of the on state color*	unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
Off color.: **SCPTbuttonColor.off_color** *RGB color for the off state*	structure RGB color for the off state		
Red.: **SCPTbuttonColor.off_color.red** *Red level component of the off state color*	unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
Green.: **SCPTbuttonColor.off_color.green** *Green level component of the off state color*	unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
Blue.: **SCPTbuttonColor.off_color.blue** *Blue level component of the off state color*	unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Button held action.: SCPTbuttonHoldAction

Button action definition used to create a button held action array, with an entry per button.

Index	Size	Data Type
314	2 bytes	structure

Field	Data Type / Invalid Value	Maximum / Minimum	Scaled Value / Resolution
Button action.: **SCPTbuttonHoldAction.action** *Button action for the associated button*	button_action_t -1	41 -1	none (enumeration) 1
Value.: **SCPTbuttonHoldAction.setting** *Value for button actions that require a numeric value.*	union Value for button actions that require a numeric value.		
Scene number.: **SCPTbuttonHoldAction.setting.scene_number**	unsigned short 0	255 1	$1\times10^{0}\times(Raw+0)$ 1

Specified scene number for the toggle and set scene actions.			
Group number: **SCPTbuttonHoldAction.setting.group_number** *Specified group number for the toggle, enable, and disable group actions.*	unsigned short 255	64 0	$1\times10^{0}\times(Raw+0)$ 1
Setting.: **SCPTbuttonHoldAction.setting.value** *Setting level. Specifies an absoloute level for the Set Level action. Specifies a relative level for the Increase, Decrease, Move Open, Move Closed, Rotate Open, and Rotate Closed actions.*	unsigned short 255	200 0	$5\times10^{-1}\times(Raw+0)$ 0.5
SCPTbuttonHoldAction.setting.angle	unsigned short 255	180 0	$2\times10^{0}\times(Raw+0)$ 2 degrees

Button pressed action.: SCPTbuttonPressAction

Button action definition used to create a button pressed action array, with an entry per button. This SCPT defines the minimum entries required by the ISI profiles.

Index	Size	Data Type			
311	2 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Button action.: **SCPTbuttonPressAction.action** *Button action for the associated button*			button_action_t -1	41 -1	none (enumeration) 1
Value.: **SCPTbuttonPressAction.setting** *Value for button actions that require a numeric value.*			union Value for button actions that require a numeric value.		
Scene number.: **SCPTbuttonPressAction.setting.scene_number** *Specified scene number for the toggle and set scene actions.*			unsigned short 0	255 1	$1\times10^{0}\times(Raw+0)$ 1
Group number: **SCPTbuttonPressAction.setting.group_number** *Specified group number for the toggle, enable, and disable group actions.*			unsigned short 255	64 0	$1\times10^{0}\times(Raw+0)$ 1
Setting.: **SCPTbuttonPressAction.setting.value** *Setting level. Specifies an absoloute level for the Set Level action. Specifies a relative level for the Increase, Decrease, Move Open, Move Closed, Rotate Open, and Rotate Closed actions.*			unsigned short 255	200 0	$5\times10^{-1}\times(Raw+0)$ 0.5

SCPTbuttonPressAction.setting.angle	signed short 127	90 -90	$1\times10^{0}\times(Raw+0)$ 1 degrees

Button repeat interval: SCPTbuttonRepeatInterval

Time between updates when a button is held down. The updates themselves may be throttled by the application or a SCPTminSendTime CP. Used to create an array used with a SCPTbuttonAction CP array.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
313	2 bytes	unsigned long	0	65534	$1\times10^{0}\times(Raw+0)$	1 milliseconds

Bypass time: SCPTbypassTime

The maximum amount of time that the controller can be in the bypass (occupancy) mode following the last bypass request. Zero disables the timer.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
34	2 bytes	SNVT_time_min				

Chiller capacity limit: SCPTlimitChlrCap

The default value for the capacity limit of the chiller when the default behavior selector is set to zero

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
81	2 bytes	SNVT_lev_percent				

Chiller enable: SCPTpwrUpState

The default power-up and restart modes of the device when the default behavior selector is set to zero

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
73	2 bytes	SNVT_switch				

Clock Calibration: SCPTclockCalibration

Corrects clock-cycle variations

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
300	2 bytes	signed long	-32768	32767	$1\times10^{0}\times(Raw+0)$	1 milliseconds per hour

CO2 level offset: SCPToffsetCO2

Used to calibrate external hardware with additive offset after transformation

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
68	2 bytes	SNVT_ppm				

CO2 limit: SCPTlimitCO2

CO2 threshold limit, controller to maintain concentration below this limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
42	2 bytes	SNVT_ppm				

Combination-Flow Characteristic: SCPTcombFlowCharacteristic

This configuration property can be used to provide the desired system control flow characteristic

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
287	1 bytes	SNVT_dev_c_mode				

Combination-Flow Characteristic Table X: SCPTtrnsTblX3

This configuration property will be used in conjunction with the

translation-table Y configuration property to create a translation table that dictates how to scale the flow with respect to the valve capacity

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
288	30 bytes	SNVT_trans_table				

Combination-Flow Characteristic Table Y: SCPTtrnsTblY3

This configuration property will be used in conjunction with the translation-table X configuration property to create a translation table that dictates how to scale the flow with respect to the valve capacity

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
289	30 bytes	SNVT_trans_table				

Command History: SCPTprogCmdHistory

Log of recent commands, with time stamp

Index	Size	Data Type			
356	88 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTprogCmdHistory.timestamp			SNVT_time_stamp		
SCPTprogCmdHistory.command			object_request_t -1	24 -1	none (enumeration) 1
SCPTprogCmdHistory.description			unsigned char (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Control priority: SCPTcontrolPriority

Priority of a control input or output, lower values mean higher priority

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution

171	1 bytes	unsigned short	0	200	$1\times10^{0}\times(Raw+0)$	1 priority value

Control signal: SCPTcontrolSignal

Start and end points (X,Y) for a transition

Index	Size	Data Type			
245	8 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
X1: SCPTcontrolSignal.x1Value			SNVT_lev_percent		
Y1: SCPTcontrolSignal.y1Value			SNVT_lev_percent		
X2: SCPTcontrolSignal.x2Value			SNVT_lev_percent		
Y2: SCPTcontrolSignal.y2Value			SNVT_lev_percent		

Controller off delay: SCPTclOffDelay

The delay after which the controller output is switched off

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
85	2 bytes	SNVT_time_sec				

Controller on delay: SCPTclOnDelay

The delay after which the controller output is switched on

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
86	2 bytes	SNVT_time_sec				

Cooling lockout: SCPTcoolingLockout

Setpoint for the outdoor air temperature at which cooling will be disabled

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
209	2 bytes	SNVT_temp_p				

Cooling reset enable: SCPTcoolingResetEnable

The cooling reset control is enabled

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
211	1 bytes	boolean_t	-1	1	none (enumeration)	-1

Cooling setpoint: SCPTcoolSetpt

The default setpoint for the leaving chilled water temperature in cooling mode when the default behavior selector is set to zero

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
75	2 bytes	SNVT_temp_p				

Cooling setpoint lower limit: SCPTcoolLowerSP

Limits the lower extent of the permitted range for the cooling setpoint

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
76	2 bytes	SNVT_temp_p				

Cooling setpoint upper limit: SCPTcoolUpperSP

Limits the upper extent of the permitted range for the cooling setpoint

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
77	2 bytes	SNVT_temp_p				

Current sense enable: SCPTcurrentSenseEnable

Enables current sensing for manual load control

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
359	1 bytes	boolean_t	-1	1	none (enumeration)	-1

Cut-out value: SCPTcutOutValue

The cut-out limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
125	2 bytes	SNVT_temp_p				

Damper angle send on delta: SCPTminDeltaAngl

The minimum change in damper actuator angle required to be treated as significant

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
43	2 bytes	SNVT_angle_deg				

Data log access request.: SCPTlogRequest

Data log access request message format. Not used as a CP. This request has a variable size--the timestamp field is only included with the get next record request.

Index	Size	Data Type			
340	8 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Data log access protocol version.: SCPTlogRequest.dlap_version *Data log access protocol version number. Currently must be 1.*			unsigned short 0	255 1	$1\times10^{0}\times(Raw+0)$ 1
Requested log number.:			unsigned long	65535	$1\times10^{0}\times(Raw+0)$

SCPTlogRequest.requested_log *The log number of the data log to be accessed. Logs are numbered from 1 to number_of_logs.*	0	1	1
Timestamp of last record fetched. The first record with a timestamp after this timestamp is returned. If this field is invalid, the first record in the data log is returned. : SCPTlogRequest.last_time *Timestamp of last record fetched. The first record with a timestamp after this timestamp is returned. If this field is invalid, the first record in the data log is returned.*	SNVT_time_stamp_p		

Data log access response.: SCPTlogResponse

Data log access response message format. Not used as a CP. This response has a variable size--unused fields are not included.

Index	Size	Data Type			
341	16 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTlogResponse.response			union		
SCPTlogResponse.response.log_record			unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
Closest data log access protocol version.: SCPTlogResponse.response.closest_version *Closest data log access protocol version number supported by this device. Returned for LRC_VER_MISMATCH responses.*			unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
Number of logs.: SCPTlogResponse.response.number_of_logs *Number of data logs in the device. Returned for LRC_BAD_LOG_INDEX responses.*			unsigned long 0	65535 1	$1\times10^{0}\times(Raw+0)$ 1

Data log alarm threshold.: SCPTlogAlarmThreshold

Specifies the log level required to trigger an alarm condition for the data logger.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
339	1 bytes	unsigned short	0	200	$5\times10^{-1}\times(Raw+0)$	0.5 percent

Data log capacity: SCPTlogCapacity

Specifies the total capacity of all data logs on a device. The size of each data log is specified by its cpLogSize value. The value is specified in bytes.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
324	4 bytes	unsigned quad	1	4294967295	$1\times10^{0}\times(Raw+0)$	1 bytes

Data log enable timestamp.: SCPTlogTimestampEnable

Enables time stamping of each data value. When True, the data logger includes a timestamp of the receipt time for each value received by the data logger.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
329	1 bytes	unsigned short	0	1	$1\times10^{0}\times(Raw+0)$	1

Data log header.: SCPTlogFileHeader

Describes contents of a data log.

Index	Size	Data Type			
338	20 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Data log file type.: **SCPTlogFileHeader.file_type** *Constant identifying a data log.*			unsigned long (none)	2049 2049	$1\times10^{0}\times(Raw+0)$ 1
Data log file format major version number.: **SCPTlogFileHeader.major_version_number**			unsigned short (none)	1 1	$1\times10^{0}\times(Raw+0)$ 1
Data log minor version number.: **SCPTlogFileHeader.minor_version_number**			unsigned short (none)	0 0	$1\times10^{0}\times(Raw+0)$ 1
Data log number.: **SCPTlogFileHeader.log_number** *Index of the data log functional block that received this update.*			unsigned long 65535	65534 0	$1\times10^{0}\times(Raw+0)$ 1
Data log record count.:			s32_type (signed 32-bit type)	2147483646	$1\times10^{0}\times(Raw+0)$

SCPTlogFileHeader.record_count *Number of records in data log.*	2147483647	0	1 seconds
Data log start time.: **SCPTlogFileHeader.start_time**	SNVT_time_stamp_p		
Data log end time.: **SCPTlogFileHeader.end_time**	SNVT_time_stamp_p		

Data log high limit: SCPTlogHighLimit

Enables logging of data greater or equal to the specified value. All other data is ignored, with the exception that data that is less than or equal to a valid SCPTlogLowLimit value is also logged. All data is logged if the SCPTlogEnableHighLimit and SCPTlogEnableLowLimit values are both invalid.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
330		inheriting				

Data log low limit: SCPTlogLowLimit

Enables logging of data less than or equal to the specified value. All other data is ignored, with the exception that data that is greater than or equal to a valid SCPTlogHighLimit value is also logged. All data is logged if the SCPTlogEnableHighLimit and SCPTlogEnableLowLimit values are both invalid.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
331		inheriting				

Data log minimum delta time.: SCPTlogMinDeltaTime

Minimum amount of time between logged values. This is used to throttle data entry into a data log. When a data value is logged, a subsequent update to the data value is not logged until the time specified by this value has elapsed. If additional updates are received during this time, the older values are discarded and are not stored in the data log. Time of receipt is ignored if the value of this configuration property is zero or invalid.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution

333	4 bytes	unsigned quad	0	4294967294	$1\times10^{0}\times(Raw+0)$	1

Data log minimum delta time: SCPTlogMinDeltaValue

Minimum amount of time between logged values. This is used to throttle data entry into a data log. When a data value is logged, a subsequent update to the data value is not logged until the time specified by this value has elapsed. If additional updates are received during this time, the older values are discarded and are not stored in the data log. Time of receipt is ignored if the value of this configuration property is zero or invalid.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
334		inheriting				

Data log notification threshold.: SCPTlogNotificationThreshold

Specifies the percentage change in log level required to trigger an update to the Data Log Status (nvoStatus) output.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
325	1 bytes	unsigned short	0	200	$5\times10^{-1}\times(Raw+0)$	0.5 percent

Data log type.: SCPTlogType

Specifies the method used to store data in a data log.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
327	1 bytes	log_type_t	-1	2	none (enumeration)	-1

Day date index: SCPTdayDateIndex

One or two dates for matching with a start index to the time-event array

Index	Size	Data Type	
103	6 bytes	structure	

Field	Data Type / Invalid Value	Maximum / Minimum	Scaled Value / Resolution
First day: **SCPTdayDateIndex.day_1** *Day of month*	unsigned short 0	31 1	$1\times10^{0}\times(Raw+0)$ 1 days
First month: **SCPTdayDateIndex.month_1** *Month of year*	unsigned short 0	12 1	$1\times10^{0}\times(Raw+0)$ 1 months
Second day: **SCPTdayDateIndex.day_2** *Day of month, zero for no date entry*	unsigned short 0	31 0	$1\times10^{0}\times(Raw+0)$ 1 days
Second month: **SCPTdayDateIndex.month_2** *Month of year, zero for no date entry*	unsigned short 0	12 0	$1\times10^{0}\times(Raw+0)$ 1 months
Event index: **SCPTdayDateIndex.event_mode_index** *Time-event array index*	unsigned long 0	65535 0	$1\times10^{0}\times(Raw+0)$ 1 index

Day/night control: SCPTdayNightCntrl

Configures the day/night function

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
121	2 bytes	SNVT_state				

Daytime alarm limit: SCPTsmokeDayAlrmLim

The daytime alarm limit sensitivity value for the fire initiator in percentage obscuration by smoke

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
40	2 bytes	SNVT_smo_obscur				

Daytime pre-alarm limit: SCPTsmokeDayPreAlrmLim

The daytime pre-alarm limit sensitivity value for the fire initiator in percentage obscuration by smoke

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid

138	2 bytes	SNVT_smo_obscur				

Debounce time: SCPTdebounce

The debouncing time to generate the detection envelope

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
139	2 bytes	SNVT_time_sec				

Debounce time: SCPTdefInput

The debouncing time to generate the detection envelope

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
305		inheriting				

Default auto-pan speed: SCPTdefaultAutoPanSpeed

The default auto-pan speed for a device

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
176	1 bytes	unsigned short	0	250	$4\times10^{-1}\times(Raw+0)$	0.4 % of full level

Default behavior: SCPTdefltBehave

Selects which set of values will be used on power-up and communication failure, between the stated default values (0), or manufacturer-specified values (1)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
71	2 bytes	SNVT_switch				

Default camera PTZ: SCPTdefaultPanTiltZoomSpeeds

The default camera pan, tilt, and zoom speeds

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
175	6 bytes	SNVT_ptz				

Default output: SCPTdefOutput

The position or level the sensor should adopt when updates are not received, or at power-on reset, or when overridden

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
7		inheriting				

Default Security State: SCPTdefaultState

Provides the default security state upon power cycle or non-detection

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
295	3 bytes	SNVT_sec_state				

Default Setting: SCPTdefaultSetting

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
297	4 bytes	SNVT_setting				

Default speed scale: SCPTdefScale

Default value for the speed scale

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
162	2 bytes	SNVT_lev_percent				

Definition week mask: SCPTdefWeekMask

Day type definition for every day of the week

Index	Size	Data Type			
102	14 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Start index array: SCPTdefWeekMask.time_event_index			unsigned long (none)	65535 0	$1\times10^{0}\times(Raw+0)$ 1 array of 7 index values

Defrost cycles: SCPTdefrostCycles

Number of equally-spaced defrost cycles to perform per day

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
219	1 bytes	unsigned short	0	255	$1\times10^{0}\times(Raw+0)$	1 units

Defrost detect temperature differential: SCPTdefrostDetect

Temperature differential of coil refrigerant temperature above discharge air temperature that indicates defrost

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
225	2 bytes	SNVT_temp_diff_p				

Defrost hold on sync: SCPTdefrostHold

Enable hold in defrost mode until synchronization signal goes away

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
224	1 bytes	boolean_t	-1	1	none (enumeration)	-1

Defrost internal schedule: SCPTdefrostInternalSchedule

Enable the internal scheduling of defrost

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
217	1 bytes	boolean_t	-1	1	none (enumeration)	-1

Defrost mode: SCPTdefrostMode

The type of defrost to perform

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
106	1 bytes	SNVT_defr_mode				

Defrost recovery time: SCPTdefrostRecoveryTime

Time allowed after defrost finishes for temperature to be within normal limits

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
223	2 bytes	SNVT_time_min				

Defrost start time: SCPTdefrostStart

Start time for the first daily defrost

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
218	7 bytes	SNVT_time_stamp				

Defrost stop temperature: SCPTmaxDefrstTemp

The temperature at which to terminate defrost for objects set to terminate on temperature

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
110	2 bytes	SNVT_temp_p				

Defrost termination setting: SCPTtermTimeTemp

The defrost termination condition

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
112	1 bytes	SNVT_defr_term				

Delay time, default to scene: SCPTdelayTime

The delay time, default to scene

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
96	2 bytes	SNVT_time_sec				

Delta night: SCPTdeltaNight

The value to be added to the cut-out value to get the cut-out limit during night control

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
134	2 bytes	SNVT_temp_p				

Device control mode: SCPTdeviceControlMode

Normal default operating device control mode

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
238	1 bytes	SNVT_dev_c_mode				

Device list entry description.: SCPTdevListDesc

Human readable description for an entry in the device list

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
322	31 bytes	SNVT_str_asc				

Device list entry.: SCPTdevListEntry

Device list entry containing the address of the device to be monitored

Index	Size	Data Type			
323	7 bytes	union			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTdevListEntry.address_type			address_type_t -1	2 -1	none (enumeration) 1
Device address as subnet/node address.: SCPTdevListEntry.sn *This structure is filled out in case the device address is given as subnet/node address*			structure This structure is filled out in case the device address is given as subnet/node address		
Destination subnet.: SCPTdevListEntry.sn.subnet *Specifies the destination subnet number (1-255)*			unsigned short (none)	255 1	$1\times10^{0}\times(Raw+0)$ 1
Unused.: SCPTdevListEntry.sn.unused *Set to 0*			bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 0
Destination node.: SCPTdevListEntry.sn.node *Specifies the destination node number (1-127)*			bitfield	127 1	$1\times10^{0}\times(Raw+0)$ bits: 7 at offset: 1
Device address as unique node ID address.: SCPTdevListEntry.ni *This structure is filled out in case the device address is given as unique node ID address*			structure This structure is filled out in case the device address is given as unique node ID address		
Destination subnet.: SCPTdevListEntry.ni.subnet *Specifies the destination subnet number (1-255) or 0 if the destination subnet is unknown*			unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
SCPTdevListEntry.ni.nid			unsigned char (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Device major version number: SCPTdevMajVer

The major version number for the device

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
165	1 bytes	unsigned short	0	255	$1\times10^{0}\times(Raw+0)$	1

Device minor version number: SCPTdevMinVer

The minor version number for the device

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
166	1 bytes	unsigned short	0	255	$1\times10^{0}\times(Raw+0)$	1

Device Output Selection: SCPTdeviceOutSelection

This selectes the Output which will be used on an OLC

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
347	1 bytes	olc_select_t	-1	4	none (enumeration)	-1

Dial string: SCPTdialString

Telephone number string used in dialing, including characters used for control

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
178	31 bytes	SNVT_str_asc				

Difference night: SCPTdiffNight

The value to be added to the cut-out value to get the cut-in limit during night control

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
122	2 bytes	SNVT_temp_p				

Difference value: SCPTdiffValue

The value to be added to the cut-out value to get the cut-in limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
130	2 bytes	SNVT_temp_p				

Differential temperature: SCPTdiffTempSetpoint

Setpoint for differential temperature for economizer enable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
201	2 bytes	SNVT_temp_diff_p				

Direction / Safety position: SCPTdirection

The actuator sense of rotation and safety position; bit 0 set => counterclockwise, bit 1 set => damper open

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
44	2 bytes	SNVT_state				

Discharge air cooling setpoint: SCPTdischargeAirCoolingSetpoint

Default cooling setpoint for discharge air

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
183	2 bytes	SNVT_temp_p				

Discharge air dewpoint: SCPTdischargeAirDewpointSetpoint

Setpoint for the default discharge air dewpoint

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
204	2 bytes	SNVT_temp_p				

Discharge air heating setpoint: SCPTdischargeAirHeatingSetpoint

Default heating setpoint for discharge air

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
184	2 bytes	SNVT_temp_p				

Drain delay: SCPTdrainDelay

The delay to use after the defrost has terminated

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
108	2 bytes	SNVT_time_sec				

Drive time: SCPTdriveT

Time to be taken by the actuator to move from one extreme to the other

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
8	7 bytes	SNVT_elapsed_tm				

Drive time: SCPTdriveTime

The transition time for a full 100% stroke (change from one extreme to the other)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
45	2 bytes	SNVT_time_sec				

Duct area or size: SCPTductArea

The duct area used to calculate the air flow, relevant only for VAV actuators / controllers

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
46	2 bytes	SNVT_area				

Duct static pressure: SCPTductStaticPressureSetpoint

Setpoint for default duct static pressure

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
189	2 bytes	SNVT_press_p				

Duct static pressure limit: SCPTductStaticPressureLimit

The duct static pressure limit for equipment protection

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
192	2 bytes	SNVT_press_p				

Effective period: SCPTeffectivePeriod

Time period during which a functional block is effective.

Index	Size	Data Type			
272	8 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Starting date: **SCPTeffectivePeriod.start** *Starting date of the effective period*			structure Starting date of the effective period		
Year: **SCPTeffectivePeriod.start.year** *Starting year*			signed long -1	3000 -1	$1\times10^{0}\times(Raw+0)$ 1
Month: **SCPTeffectivePeriod.start.month**			unsigned short (none)	12 1	$1\times10^{0}\times(Raw+0)$ 1

Starting month			
Day: **SCPTeffectivePeriod.start.day** *Starting day*	unsigned short (none)	31 1	$1\times10^{0}\times(Raw+0)$ 1
Ending date: **SCPTeffectivePeriod.end** *Ending date of the effective period*	structure Ending date of the effective period		
Ending year: **SCPTeffectivePeriod.end.year** *Ending year of the effective period*	signed long -1	3000 -1	$1\times10^{0}\times(Raw+0)$ 1
Ending month: **SCPTeffectivePeriod.end.month** *Ending month of the effective period*	unsigned short (none)	12 1	$1\times10^{0}\times(Raw+0)$ 1
Ending day: **SCPTeffectivePeriod.end.day** *Ending day of the effective period*	unsigned short (none)	31 1	$1\times10^{0}\times(Raw+0)$ 1

Emergency mode: SCPTemergCnfg

Mode that a device has to be brought to when an emergency request state is pending

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
258		inheriting				

Emergency position: SCPTemergencyPosition

Position in percent of full scale (open) for emergency operation

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
250	2 bytes	SNVT_lev_percent				

Enable Status Message: SCPTenableStatusMsg

Index	Size	Data Type			
348	5 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Lamp current high:			bitfield	1	$1\times10^{0}\times(Raw+0)$

SCPTenableStatusMsg.lamp_current_high		0	bits: 1 at offset: 0
Lamp current low: **SCPTenableStatusMsg.lamp_current_low**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 1
Main current high: **SCPTenableStatusMsg.main_current_high**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 2
Main current low: **SCPTenableStatusMsg.main_current_low**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 3
Lamp voltage high (DALI Bit5): **SCPTenableStatusMsg.lamp_voltage_high**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 4
Lamp voltage low (DALI Bit5): **SCPTenableStatusMsg.lamp_voltage_low**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 5
Main voltage high: **SCPTenableStatusMsg.main_voltage_high**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 6
Main voltage low: **SCPTenableStatusMsg.main_voltage_low**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 7
Power factor low: **SCPTenableStatusMsg.power_factor_low**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 0
Temperature high (DALI Bit 4): **SCPTenableStatusMsg.OLC_temp_high**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 1
Power high: **SCPTenableStatusMsg.power_high**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 2
Power low: **SCPTenableStatusMsg.power_low**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 3
Relay failure: **SCPTenableStatusMsg.relay_failure**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 4
Capacity failure (DALI Bit 7): **SCPTenableStatusMsg.cap_failure**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 5
Lamp failure (DALI Bit 6): **SCPTenableStatusMsg.lamp_failure**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 6
Ballast failure: **SCPTenableStatusMsg.ballast_failure**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 7
Internal communiction failure: **SCPTenableStatusMsg.inter_com_failure**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 0
External communication failure: **SCPTenableStatusMsg.exter_com_failure**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 1
Main voltage below performance specification (DALI Bit 1): **SCPTenableStatusMsg.main_volt_below_spec**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 2
Lamp restart retry counter / cycling failure (DALI Bit 2): **SCPTenableStatusMsg.lamp_restart_count**	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 3
Fading ready (DALI Bit 3):	bitfield	1	$1\times10^{0}\times(Raw+0)$

SCPTenableStatusMsg.fading_ready		0	bits: 1 at offset: 4
Ballast temperature too high: SCPTenableStatusMsg.ballast_temp_high	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 5
digital input A active: SCPTenableStatusMsg.digi_in_A	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 6
digital input B active: SCPTenableStatusMsg.digi_in_B	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 7
Reserve: SCPTenableStatusMsg.bit_25_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 0
Reserve: SCPTenableStatusMsg.bit_26_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 1
Reserve: SCPTenableStatusMsg.bit_27_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 2
Reserve: SCPTenableStatusMsg.bit_28_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 3
Reserve: SCPTenableStatusMsg.bit_29_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 4
Reserve: SCPTenableStatusMsg.bit_30_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 5
Reserve: SCPTenableStatusMsg.bit_31_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 6
Reserve: SCPTenableStatusMsg.bit_32_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 7
Reserve: SCPTenableStatusMsg.bit_33_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 0
Reserve: SCPTenableStatusMsg.bit_34_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 1
Reserve: SCPTenableStatusMsg.bit_35_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 2
Reserve: SCPTenableStatusMsg.bit_36_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 3
Reserve: SCPTenableStatusMsg.bit_37_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 4
Reserve: SCPTenableStatusMsg.bit_38_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 5
Reserve: SCPTenableStatusMsg.bit_39_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 6
Reserve: SCPTenableStatusMsg.bit_40_res	bitfield	1	$1\times10^{0}\times(Raw+0)$
		0	bits: 1 at offset: 7

Energy counter initialization: SCPTenergyCntInit

The initial value of the energy counter for the associated network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
137	2 bytes	SNVT_elec_kwh				

Exception schedule: SCPTscheduleException

An event that overrides a daily schedule; typically used for special events

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
374	8 bytes	SNVT_sched_exc				

Exhaust enable position: SCPTexhaustEnablePosition

Setpoint for the exhaust-enable outdoor air damper position

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
202	2 bytes	SNVT_lev_percent				

Fade time, default to scene: SCPTfadeTime

The desired time to fade to zero

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
95	2 bytes	SNVT_time_sec				

Fan delay after defrost: SCPTdefrostFanDelay

Delay after refrigeration is resumed after defrost before fan is started

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
222	2 bytes	SNVT_time_min				

Fan differential: SCPTfanDifferentialSetpoint

Setpoint for the percent capacity differential between the supply and return fans

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
195	2 bytes	SNVT_lev_percent				

Fan operation: SCPTfanOperation

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
260	1 bytes	fan_operation_t	-1	4	none (enumeration)	-1

Fan-in enable.: SCPTfanInEnable

Enables fan-in of multiple data sources. When True, the application examines the source address of each input value and uses it to determine the data source of the update.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
328	1 bytes	unsigned short	0	1	$1\times10^{0}\times(Raw+0)$	1

Field calibration: SCPTfieldCalib

Used by the light sensor to self calibrate the hardware

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
90	2 bytes	SNVT_lux				

File Indexes: SCPTprogFileIndexes

Indexes of first and last LonMark files where programs may be stored

Index	Size	Data Type	
355	2 bytes	structure	

Field	Data Type / Invalid Value	Maximum / Minimum	Scaled Value / Resolution
SCPTprogFileIndexes.first_file_index	unsigned short (none)	255 3	$1\times10^{0}\times(Raw+0)$ 1
SCPTprogFileIndexes.last_file_index	unsigned short (none)	255 3	$1\times10^{0}\times(Raw+0)$ 1

Fire indicator device type: SCPTfireIndicate

Describes the fire indicator device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
153	1 bytes	SNVT_fire_indcte				

Fire initiator type identifier: SCPTfireInitType

The fire initiator type identifier, entered into the device at installation and/or configuration time

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
38	1 bytes	SNVT_fire_init				

Fire text information: SCPTfireTxt1

Text information relevant to fire conditions. A '>' at end of string indicates presence of fire text 2.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
149	31 bytes	SNVT_str_asc				

Fire text information, continuation: SCPTfireTxt2

Continuation text information relevant to fire conditions. A '>' at end of string indicates presence of fire text 3.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
150	31 bytes	SNVT_str_asc				

Fire text information, second continuation: SCPTfireTxt3

Second continuation text information relevant to fire conditions

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
151	31 bytes	SNVT_str_asc				

Flash rate specification: SCPTflashFreq

Flash rate specification for visible indication (strobe) device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
145	2 bytes	SNVT_freq_hz				

Flow send on delta: SCPTminDeltaFlow

The minimum change in airflow required to be treated as significant

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
47	2 bytes	SNVT_flow				

Free cooling valve position: SCPTfreeCoolPosition

Valve position in percent open for free cooling HVAC mode

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
247	2 bytes	SNVT_lev_percent				

Friday schedule: SCPTscheduleFriday

A structure containing an array of seven time-value pairs that specify the daily schedule for Friday; unused time-value pairs have an invalid value (31) for the hour; if two time-value pairs specify the same time, the first with a valid output value is used

Index	Size	Data Type			
370	28 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTscheduleFriday.time_value			SNVT_time_val_2		

Gain: SCPTgain

This parameter is used to calibrate the external hardware.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
31	4 bytes	SNVT_muldiv				

Generic offset: SCPToffset

Used to calibrate the level that the associated output network variable should adopt after any translation table or gain factor.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
26		inheriting				

Geographic Location: SCPTgeoLocation

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
350	31 bytes	SNVT_geo_loc				

Group ID: SCPTdeviceGroupID

A logical group control ID for the device

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
172	2 bytes	unsigned long	0	65535	$1 \times 10^{0} \times (Raw+0)$	1 ID number

Heart beat, mode output: SCPTmodeHrtBt

The time that must pass without an update for mode definitions to be automatically retransmitted, zero disables

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
105	2 bytes	SNVT_time_sec				

Heating duct area: SCPTareaDuctHeat

Nominal cross-sectional airflow area of the hot or ventilation deck of a dual duct VAV terminal unit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
266	2 bytes	SNVT_area				

Heating lockout: SCPTheatingLockout

Setpoint for the outdoor air temperature at which heating will be disabled

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
210	2 bytes	SNVT_temp_p				

Heating nominal flow: SCPTnomAirFlowHeat

Nominal airflow volume of a hot or ventilation deck of a dual duct VAV terminal

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid

267	2 bytes	SNVT_flow				

Heating reset enable: SCPTheatingResetEnable

The heating reset control is enabled

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
212	1 bytes	boolean_t	-1	1	none (enumeration)	-1

Heating setpoint: SCPTheatSetpt

The default setpoint for the leaving water temperature in heating mode when the default behavior selector is set to zero

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
78	2 bytes	SNVT_temp_p				

Heating setpoint lower limit: SCPTheatLowerSP

Limits the lower extent of the permitted range for the heating setpoint

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
79	2 bytes	SNVT_temp_p				

Heating setpoint upper limit: SCPTheatUpperSP

Limits the upper extent of the permitted range for the heating setpoint

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
80	2 bytes	SNVT_temp_p				

High limit 1: SCPThighLimit1

The alarm high limit against which the value field of the output value is

tested for alarm conditions

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
9		inheriting				

High limit 1 Enable: SCPThighLimit1Enable

Controls whether high limit 1 is in effect

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
302	1 bytes	boolean_t	-1	1	none (enumeration)	-1

High limit 2: SCPThighLimit2

The alarm 2nd high limit against which the value field of the output value is tested for alarm conditions

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
10		inheriting				

High limit 2 Enable: SCPThighLimit2Enable

Controls whether high limit 2 is in effect

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
303	1 bytes	boolean_t	-1	1	none (enumeration)	-1

High limit defrost delay: SCPThighLimDefrDly

The time limit before high air temp alarm during pull-down

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
133	2 bytes	SNVT_time_sec				

High limit delay: SCPThighLimDly

The time limit during normal operation before the alarm air temp high alarm is recognized

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
124	2 bytes	SNVT_time_sec				

High limit temperature: SCPThighLimTemp

The high alarm set point for the alarm air temp network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
123	2 bytes	SNVT_temp_p				

Historical Period: SCPTtimePeriod

This input configuration network variable defines the period of time between transfer of a values to the historical register

Index	Size	Data Type			
291	2 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTtimePeriod.units			interval_of_month_t -1	4 -1	none (enumeration) 1
SCPTtimePeriod.value			union		
SCPTtimePeriod.value.minutes_interval			unsigned short (none)	255 1	$1\times10^{0}\times(Raw+0)$ 1
SCPTtimePeriod.value.date_of_month			unsigned short (none)	31 1	$1\times10^{0}\times(Raw+0)$ 1
SCPTtimePeriod.value.hour_of_day			unsigned short (none)	23 0	$1\times10^{0}\times(Raw+0)$ 1
SCPTtimePeriod.value.day_of_week			days_of_week_t -1	6 -1	none (enumeration) 1
SCPTtimePeriod.value.hours_interval			unsigned short	255	$1\times10^{0}\times(Raw+0)$

	(none)	1	1

Hold time: SCPTholdTime

Hold time for occupied state after there is no occupancy detected

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
91	2 bytes	SNVT_time_sec				

Holiday or vacation schedule: SCPTscheduleHoliday

An event that overrides a daily schedule; typically used for holiday or vacation event

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
375	8 bytes	SNVT_sched_exc				

Humidity high limit setpoint: SCPThumSetpt

High limit humidity setpoint for the controlled space. A zero value disables

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
36	2 bytes	SNVT_lev_percent				

HVAC mode: SCPThvacMode

The default operating mode of the device when the default behavior selector is set to zero

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
74	1 bytes	SNVT_hvac_mode				

HVAC unit type: SCPThvacType

The type of HVAC equipment being controlled

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
169	1 bytes	SNVT_hvac_type				

Hysteresis, auto mode on/off: SCPTonOffHysteresis

Sets the hysteresis for the level setpoint. Setting to zero disables automatic on/off switching

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
84	1 bytes	SNVT_lev_cont				

Hysteresis high 1: SCPThystHigh1

The hysteresis level for the value field of the high limit 1 comparison threshold

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
11		inheriting				

Hysteresis high 2: SCPThystHigh2

The hysteresis level for the value field of the high limit 2 comparison threshold

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
12		inheriting				

Hysteresis low 1: SCPThystLow1

The hysteresis level for the value field of the low limit 1 comparison threshold

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
13		inheriting				

Hysteresis low 2: SCPThystLow2

The hysteresis level for the value field of the low limit 2 comparison threshold

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
14		inheriting				

Index of Functional Block: SCPTnsdsFbIndex

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
358	2 bytes	unsigned long	0	65535	$1\times10^{0}\times(Raw+0)$	1

Injection delay: SCPTinjDelay

The delay to use after the defrost has terminated

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
109	2 bytes	SNVT_time_sec				

Input value feedback delay: SCPTinFbDly

The time period after the last update in a succession of changes to the input, before the feedback output is updated

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
15	7 bytes	SNVT_elapsed_tm				

Installation date: SCPTinstallDate

The date of installation for the device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
146	7 bytes	SNVT_time_stamp				

Installed level: SCPTinstalledLevel

The floor or level on which the device is installed

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
232	2 bytes	unsigned long	0	65535	$1\times10^{0}\times(Raw+0)$	1 floor number

Interface description.: SCPTifaceDesc

Human readable description of the interface the functional block is assigned to

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
318	31 bytes	SNVT_str_asc				

Internal schedule: SCPTscheduleInternal

Enable internal scheduling

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
226	1 bytes	boolean_t	-1	1	none (enumeration)	-1

Invert output: SCPTinvrtOut

This parameter indicates to invert the active polarity, if the value is nonzero (ON).

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
16	1 bytes	SNVT_lev_disc				

Lamp Power: SCPTlampPower

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
346	2 bytes	SNVT_power				

Lighting group enable: SCPTlightingGroupEnable

Bit masks to enable or disable up to 64 ISI lighting groups. Group 0 is not used. Groups may also be enabled or disabled using a SNVT_switch_2 update.

Index	Size	Data Type			
342	8 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTlightingGroupEnable.flags			unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Lighting group membership: SCPTlightingGroupMembership

Bit masks to specify membership in up to 64 ISI lighting groups. Group 0 is not used.

Index	Size	Data Type			
361	8 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTlightingGroupMembership.flags			unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Link Power Detection Enabled.: SCPTlinkPowerDetectEnable

Determines, whether link power detection is enabled. If yes, nvoLinkPower indicates existence of link power voltage.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
320	2 bytes	SNVT_switch				

Load control offsets: SCPTloadControlOffset

Offsets to be used during standby (unoccupied state but home, or sleep mode) and demand-response modes

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
362	6 bytes	SNVT_load_offsets				

Location: SCPTlocation

Provides descriptive physical location information related to the object.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
17	31 bytes	SNVT_str_asc				

Log record.: SCPTlogRecord

Documents the format of a data log record. Not used as a CP. Data logs have variable sized records--unused fields are not present.

Index	Size	Data Type			
337	16 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Timestamp type.: SCPTlogRecord.timestamp_type *Specifies whether or not a timestamp is included, and if it is incljuded, specifies the format of the*			bitfield	3 0	$1\times10^{0}\times(Raw+0)$ bits: 2 at offset: 0

timestamp. Contents defined by timestamp_t.			
Log record type.: **SCPTlogRecord.record_type** *Specifies the format of a data log record. Contents defined by log_record_t.*	bitfield 	3 0	$1\times10^{0}\times(Raw+0)$ bits: 3 at offset: 2
Multiple tnput NV flag.: **SCPTlogRecord.multiple_input** *Set to 1 if the functional block has multiple input NVs.*	bitfield 	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 5
Data log fan-in flag.: **SCPTlogRecord.fan_in** *Set to one if this input NV receives data from multiple data sources.*	bitfield 	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 6
Data log point status flag.: **SCPTlogRecord.point_status** *Set to one if this data log record includes point status information.*	bitfield 	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 7
Data log record length.: **SCPTlogRecord.data_length** *Number of bytes in the data portion of a data log record. Set to 0 if the record does not contain a data value.*	unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1 bytes
Timestamp.: **SCPTlogRecord.time**	union		
Timestamp: **SCPTlogRecord.time.timestamp** *Full timestamp. Only present if timestamp_type is TS_FULL.*	SNVT_time_stamp_p		
Offset timestamp: **SCPTlogRecord.time.offset_stamp** *Offset since last full timestamp. Only present if timestamp_type is TS_OFFSET.*	unsigned long 65535	65534 0	$1\times10^{-2}\times(Raw+0)$ 0.01 seconds
Data log member index.: **SCPTlogRecord.member_index** *Functional block member number for the network variable input that received this update. Only present if mulitple_input is 1.*	unsigned short 0	255 1	$1\times10^{0}\times(Raw+0)$ 1
Data log data source index.: **SCPTlogRecord.data_source_index** *Index into the cpSourceAddress array. Only present if fan_in is 1.*	signed long -1	32767 0	$1\times10^{0}\times(Raw+0)$ 1
Data log record data.: **SCPTlogRecord.data** *Data field for a data log record. Contents depend on record_type value. Unused bytes are not included.*	union Data field for a data log record. Contents depend on record_type value. Unused bytes are not included.		
Data log status.: **SCPTlogRecord.data.log_status** *Changed value for data log status. Only present if record_type is LR_LOG_STATUS.*	log_status_t -1	5 -1	none (enumeration) 1
Data log data value.:	s32_type (signed	2147483647	$1\times10^{0}\times(Raw+0)$

SCPTlogRecord.data.value *Data log value. Size depends on size logged value and is defined by data_length. Only present if record_type is LR_DATA.*	32-bit type) 0	 -2147483648	 1
Data log old time: **SCPTlogRecord.data.old_time** *Previous time after a time change. Only present if record_type is LR_TIME_CHANGE.*	SNVT_time_stamp_p		
Data log point status.: **SCPTlogRecord.point_status_value** *Optional status for a data point value. Only present if point_status is 1.*	point_status_t -1	4 -1	none (enumeration) 1

Log size.: SCPTlogSize

Capacity of a data log.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
326	4 bytes	unsigned quad	0	4294967294	$1\times10^{0}\times(Raw+0)$	1 bytes

Low limit 1: SCPTlowLimit1

The alarm low limit against which the value field of the output value is tested for alarm conditions

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
18		inheriting				

Low limit 1 Enable: SCPTlowLimit1Enable

Controls whether low limit 1 is in effect

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
298	1 bytes	boolean_t	-1	1	none (enumeration)	-1

Low limit 2: SCPTlowLimit2

The alarm 2nd low limit against which the value field of the output value is

tested for alarm conditions

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
19		inheriting				

Low limit 2 Enable: SCPTlowLimit2Enable

Controls whether low limit 2 is in effect

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
299	1 bytes	boolean_t	-1	1	none (enumeration)	-1

Low limit delay: SCPTlowLimDly

The time limit during normal operation before the alarm air temp low alarm is recognized

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
129	2 bytes	SNVT_time_sec				

Low limit temperature: SCPTlowLimTemp

The low alarm set point for the alarm air temp network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
128	2 bytes	SNVT_temp_p				

Maintenance date: SCPTmaintDate

The date of last maintenance for the device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
147	7 bytes	SNVT_time_stamp				

Manual allowed: SCPTmanualAllowed

Provides a clock, with a manual time input, the possibility to permit manual time updating

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
101	1 bytes	unsigned short	0	1	$1\times10^{0}\times(Raw+0)$	1 boolean

Manual override time: SCPTmanOvrTime

The maximum time that the controller will stay in a manual mode following the last request by a network variable input. Zero disables the timer.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
35	2 bytes	SNVT_time_min				

Manufacture date: SCPTmanfDate

The date of manufacture for the device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
148	7 bytes	SNVT_time_stamp				

Master-slave operation: SCPTmasterSlave

Used to select master clock or slave clock, non-zero indicates this is master clock

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
97	1 bytes	unsigned short	0	1	$1\times10^{0}\times(Raw+0)$	1 boolean

Maximum defrost time: SCPTmaxDefrostTime

Maximum time for defrost to run if terminated on temperature

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
221	2 bytes	SNVT_time_min				

Maximum defrost time: SCPTmaxDefrstTime

The maximum defrost time for defrost objects set to terminate on temperature

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
107	2 bytes	SNVT_time_sec				

Maximum Dim Voltage: SCPTmaxLevelVolt

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
349	2 bytes	SNVT_volt				

Maximum discharge air cooling: SCPTmaxDischargeAirCoolingSetpoint

Setpoint for the maximum discharge air cooling

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
205	2 bytes	SNVT_temp_p				

Maximum discharge air heating: SCPTmaxDischargeAirHeatingSetpoint

Setpoint for the maximum discharge air heating

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
207	2 bytes	SNVT_temp_p				

Maximum duct static pressure: SCPTmaxDuctStaticPressureSetpoint

Setpoint for maximum duct static pressure

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
190	2 bytes	SNVT_press_p				

Maximum fan-in.: SCPTmaxFanIn

Specifies the maximum number of data sources that may be connected to a network variable. The functional block determines data sources by examining the source address of each update.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
332	2 bytes	unsigned long	0	65534	$1 \times 10^{0} \times (Raw+0)$	1 data sources

Maximum flow: SCPTmaxFlow

The maximum flow

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
51	2 bytes	SNVT_flow				

Maximum flow: SCPTmaxFlowSetpoint

Setpoint for the operational high flow limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
237	2 bytes	SNVT_flow_p				

Maximum heating airflow: SCPTmaxFlowHeat

The maximum airflow setpoint of a VAV terminal while heating

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
37	2 bytes	SNVT_flow				

Maximum network variable length: SCPTmaxNVLength

Maximum length of a type that may be assigned to the network variable

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
255	1 bytes	unsigned short	1	31	$1\times10^{0}\times(Raw+0)$	1 bytes

Maximum output value: SCPTmaxOut

The maximum value limit of the associated output network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
93	1 bytes	SNVT_lev_cont				

Maximum power.: SCPTmaxPower

Power level at which the sunblind actuator detects a blocked motor and switches off automatically.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
317	2 bytes	SNVT_power				

Maximum pre-positions: SCPTmaxCameraPrepositions

The maximum number of pre-positions supported by a device

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
174	1 bytes	unsigned short	0	255	$1\times10^{0}\times(Raw+0)$	1 units

Maximum pressure: SCPTmaxPressureSetpoint

Setpoint for the operational high pressure limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
235	2 bytes	SNVT_press				

Maximum privacy zones: SCPTmaxPrivacyZones

The maximum number of privacy zones supported by a device

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
173	1 bytes	unsigned short	0	255	$1 \times 10^{0} \times (Raw + 0)$	1 units

Maximum range: SCPTmaxRnge

The maximum limit of the value of the primary output network variable for the object

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
20		inheriting				

Maximum receive time: SCPTmaxRcvT

The maximum time elapsed after the last update before the actuator adopts the default output

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
21	7 bytes	SNVT_elapsed_tm				

Maximum receive time: SCPTmaxRcvTime

The maximum period of time that may expire with no updates on the associated input network variables before the object goes into heartbeat failure mode. A zero value disables

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
48	2 bytes	SNVT_time_sec				

Maximum remote flow: SCPTmaxRemoteFlowSetpoint

Setpoint for the operational high flow limit (remote sensor)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
242	2 bytes	SNVT_flow_p				

Maximum remote pressure: SCPTmaxRemotePressureSetpoint

Setpoint for the operational high pressure limit (remote sensor)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
240	2 bytes	SNVT_press				

Maximum remote temperature: SCPTmaxRemoteTempSetpoint

Setpoint for the operational high temperature limit (remote sensor)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
244	2 bytes	SNVT_temp_p				

Maximum return/exhaust fan capacity: SCPTmaxReturnExhaustFanCapacity

Setpoint for maximum return/exhaust fan capacity

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
187	2 bytes	SNVT_lev_percent				

Maximum send time: SCPTmaxSendTime

The maximum period of time between consecutive transmissions of the current value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
49	2 bytes	SNVT_time_sec				

Maximum send time: SCPTmaxSndT

The maximum period of time between consecutive transmissions of the current value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
22	7 bytes	SNVT_elapsed_tm				

Maximum setpoint: SCPTmaxSetpoint

Either the maximum angle of rotation for an actuator or the maximum airflow for an actuator depending on actuator category

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
50	2 bytes	SNVT_lev_percent				

Maximum step: SCPTstep

The maximum step that the associated controller may take to approach the target level

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
83	1 bytes	SNVT_lev_cont				

Maximum stroke: SCPTmaxStroke

The maximum stroke limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
253	2 bytes	SNVT_length_mil				

Maximum supply fan capacity: SCPTmaxSupplyFanCapacity

Setpoint for maximum supply fan capacity

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
185	2 bytes	SNVT_lev_percent				

Measurement interval: SCPTmeasurementInterval

Time period used for a measurement

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
360	2 bytes	SNVT_time_sec				

Minimum defrost time: SCPTminDefrostTime

Minimum time for defrost to run if terminated on temperature

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid

220	2 bytes	SNVT_time_min				

Minimum delta CO2 level: SCPTminDeltaCO2

The minimum change in CO2 level required to be treated as significant

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
63	2 bytes	SNVT_ppm				

Minimum delta relative humidity: SCPTminDeltaRH

The minimum change in RH level required to be treated as significant

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
62	2 bytes	SNVT_lev_percent				

Minimum delta temperature: SCPTminDeltaTemp

The minimum change in temperature required to be treated as significant

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
64	2 bytes	SNVT_temp_p				

Minimum discharge air cooling: SCPTminDischargeAirCoolingSetpoint

Setpoint for the minimum discharge air cooling

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
206	2 bytes	SNVT_temp_p				

Minimum discharge air heating: SCPTminDischargeAirHeatingSetpoint

Setpoint for the minimum discharge air heating

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
208	2 bytes	SNVT_temp_p				

Minimum duct static pressure: SCPTminDuctStaticPressureSetpoint

Setpoint for minimum duct static pressure

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
191	2 bytes	SNVT_press_p				

Minimum flow: SCPTminFlow

The minimum flow

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
54	2 bytes	SNVT_flow				

Minimum flow: SCPTminFlowSetpoint

Setpoint for the operational low flow limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
236	2 bytes	SNVT_flow_p				

Minimum flow for standby: SCPTminFlowStby

The minimum flow through the VAV box in standby mode

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid

56	2 bytes	SNVT_flow				

Minimum heating airflow: SCPTminFlowHeat

The minimum airflow setpoint of a VAV terminal while heating

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
55	2 bytes	SNVT_flow				

Minimum outdoor air flow: SCPTminOutdoorAirFlowSetpoint

Setpoint for the default minimum outdoor air flow

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
198	2 bytes	SNVT_flow				

Minimum pressure: SCPTminPressureSetpoint

Setpoint for the operational low pressure limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
234	2 bytes	SNVT_press				

Minimum ramp-down time: SCPTrampDownTm

The ramp-down time of the device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
161	2 bytes	SNVT_time_sec				

Minimum ramp-up time: SCPTrampUpTm

The ramp-up time of the device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
160	2 bytes	SNVT_time_sec				

Minimum range: SCPTminRnge

The minimum limit of the value of the primary output network variable for the object

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
23		inheriting				

Minimum remote flow: SCPTminRemoteFlowSetpoint

Setpoint for the operational low flow limit (remote sensor)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
241	2 bytes	SNVT_flow_p				

Minimum remote pressure: SCPTminRemotePressureSetpoint

Setpoint for the operational low pressure limit (remote sensor)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
239	2 bytes	SNVT_press				

Minimum remote temperature: SCPTminRemoteTempSetpoint

Setpoint for the operational low temperature limit (remote sensor)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
243	2 bytes	SNVT_temp_p				

Minimum return/exhaust fan capacity: SCPTminReturnExhaustFanCapacity

Setpoint for minimum return/exhaust fan capacity

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
188	2 bytes	SNVT_lev_percent				

Minimum send time: SCPTminSendTime

The minimum period of time between consecutive transmissions of the current value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
52	2 bytes	SNVT_time_sec				

Minimum send time: SCPTminSndT

The minimum period of time between consecutive transmissions of the current value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
24	7 bytes	SNVT_elapsed_tm				

Minimum setpoint: SCPTminSetpoint

The minimum setpoint, such as minimum angle of rotation or minimum air

flow

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
53	2 bytes	SNVT_lev_percent				

Minimum stroke: SCPTminStroke

The minimum stroke limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
252	2 bytes	SNVT_length_mil				

Minimum supply fan capacity: SCPTminSupplyFanCapacity

Setpoint for minimum supply fan capacity

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
186	2 bytes	SNVT_lev_percent				

Minimum time for movement: SCPTblockProtectionTime

The minimum time in hours for movement to prevent blocking

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
251	2 bytes	SNVT_time_hour				

Mixed air low limit: SCPTmixedAirLowLimitSetpoint

Setpoint for the mixed air low temperature limit

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
196	2 bytes	SNVT_temp_p				

Mixed air temperature: SCPTmixedAirTempSetpoint

Setpoint for the default mixed air temperature

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
197	2 bytes	SNVT_temp_p				

Monday schedule: SCPTscheduleMonday

A structure containing an array of seven time-value pairs that specify the daily schedule for Monday; unused time-value pairs have an invalid value (31) for the hour; if two time-value pairs specify the same time, the first with a valid output value is used

Index	Size	Data Type			
366	28 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTscheduleMonday.time_value			SNVT_time_val_2		

Monitor Interval.: SCPTmonInterval

This configuration property defines the interval over which statistics are collected and averages are calculated

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
319	7 bytes	SNVT_elapsed_tm				

Name part 1: SCPTname1

Part 1 of the name of the functional block to be used by optional user interface applications. May optionally used with SCPTname2 and SCPTname3. Must be implemented as a configuration network variable.

Index	Size	Data Type			
306	13 bytes	structure			
Field			**Data Type /**	**Maximum /**	**Scaled Value /**

	Invalid Value	Minimum	Resolution
Character encoding.: **SCPTname1.encoding** *Character encoding method*	char_encoding_t -1	2 -1	none (enumeration) 1
SCPTname1.name	unsigned char (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Name part 2: SCPTname2

Part 2 of the name of the functional block to be used by optional user interface applications. Must be used with SCPTname1 and may optionally be used with SCPTname3. This part is concatenated after part 1, and may optionally be followed by part 3. Must be implemented as a configuration network variable.

Index	Size	Data Type			
309	12 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTname2.name			unsigned char (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Name part 3.: SCPTname3

Part 3 of the name of the functional block to be used by optional user interface applications. Must be used with SCPTname1 and SCPTname2. This part, if present, is concatenated with parts 1 and 2. Must be implemented as a configuration network variable.

Index	Size	Data Type			
310	12 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTname3.name			unsigned char (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Network configuration source: SCPTnwrkCnfg

The value of this field determines the source of the node's network configuration.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
25	1 bytes	SNVT_config_src				

Network variable dynamic assignment: SCPTnvDynamicAssignment

Assigns a dynamic network variable to a functional block member

Index	Size	Data Type			
256	25 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Network variable index: **SCPTnvDynamicAssignment.nv_index** *Network variable index within the device*			unsigned long 65535	4095 0	$1\times10^{0}\times(Raw+0)$ 1 nv index
Functional block index: **SCPTnvDynamicAssignment.fblock_index** *Index of the functional block to which the network variable is assigned*			unsigned long 65535	4095 0	$1\times10^{0}\times(Raw+0)$ 1 fblock index
Member number: **SCPTnvDynamicAssignment.member_number** *Member number of the functional block network variable member to which the network variable is assigned*			unsigned long (none)	4095 1	$1\times10^{0}\times(Raw+0)$ 1 nv member number
SCPTnvDynamicAssignment.nv_type			SNVT_nv_type		

Network variable type: SCPTnvType

Network variable type for network variables that support changeable types

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
254	19 bytes	SNVT_nv_type				

Neuron Identifier: SCPTneuronId

A unique 6-byte identifier for a CEA-709.1 / EN14908 device

Index	Size	Data Type			
301	6 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTneuronId.id			unsigned char (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Night purge valve position: SCPTnightPurgePosition

Valve position in percent open for night purge

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
246	2 bytes	SNVT_lev_percent				

Nighttime alarm limit: SCPTsmokeNightAlrmLim

The nighttime alarm limit sensitivity value for the fire initiator in percentage obscuration by smoke

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
127	2 bytes	SNVT_smo_obscur				

Nighttime pre-alarm limit: SCPTsmokeNightPreAlrmLim

The nighttime pre-alarm limit sensitivity value for the fire initiator in percentage obscuration by smoke

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
140	2 bytes	SNVT_smo_obscur				

Nominal air flow: SCPTnomAirFlow

Value used in calculating the air flow in an airflow control actuator

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
57	2 bytes	SNVT_flow				

Nominal angle: SCPTnomAngle

The nominal angle for an actuator

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
58	2 bytes	SNVT_angle_deg				

Nominal motor frequency: SCPTnomFreq

The nominal frequency of a motor

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
159	2 bytes	SNVT_freq_hz				

Nominal motor speed: SCPTnomRPM

The nominal speed of a motor in RPM

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
158	2 bytes	SNVT_rpm				

Nominal sensitivity: SCPTsmokeNomSens

The nominal sensitivity value for the fire initiator in percentage obscuration by smoke

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
39	2 bytes	SNVT_smo_obscur				

Nominal Valve Size: SCPTvalveNominalSize

This configuration property can be used to provide the nominal size of the valve body

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
281	2 bytes	SNVT_length_mil				

Normal rotational speed: SCPTnormalRotationalSpeed

The normal rotational speed in Hz

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
180	2 bytes	SNVT_freq_hz				

Number of dampers: SCPTnumDampers

Used to inform the controller if it is in a single or dual duct system

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
269	2 bytes	SNVT_count				

Number of Digits on the Meter: SCPTnumDigits

This configuration property is used for setting the total number of digits on the meter

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
293	2 bytes	SNVT_count				

Number of output valves: SCPTnumValves

Used to inform the controller whether it is in a one-valve or two-valve system

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid

59	2 bytes	SNVT_count				

NV usage: SCPTnvUsage

The SCPTnvUsage CPs shall be used to indicate whether the NVs are in use by the loaded program

Index	Size	Data Type			
364	1 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTnvUsage.in_use			bitfield	1	$1\times10^{0}\times(Raw+0)$
				0	bits: 1 at offset: 0
SCPTnvUsage.mfg			bitfield	1	$1\times10^{0}\times(Raw+0)$
				0	bits: 7 at offset: 1

Object major version number: SCPTobjMajVer

The major version number for the object

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
167	1 bytes	unsigned short	0	255	$1\times10^{0}\times(Raw+0)$	1

Object minor version number: SCPTobjMinVer

The minor version number for the object

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
168	1 bytes	unsigned short	0	255	$1\times10^{0}\times(Raw+0)$	1

Occupancy behavior: SCPToccupancyBehavior

Specifies mapping of scheduled occupancy values to primary occupancy states based on local occupancy inputs

Index	Size	Data Type			
372	5 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Invalid output value: SCPToccupancyBehavior.ob_nul_value *Primary occupancy value when the scheduled value is invalid (ob_nul) and a local occupancy condition is detected*			occup_t -1	3 -1	none (enumeration) 1
Occupied output value: SCPToccupancyBehavior.ob_occupied_value *Primary occupancy value when the scheduled value is occupied (ob_occupied) and a local occupancy condition is detected*			occup_t -1	3 -1	none (enumeration) 1
Unoccupied output value: SCPToccupancyBehavior.ob_unoccupied_value *Primary occupancy value when the scheduled value is unoccupied (ob_unoccupied) and a local occupancy condition is detected*			occup_t -1	3 -1	none (enumeration) 1
Bypass output value: SCPToccupancyBehavior.ob_bypass_value *Primary occupancy value when the scheduled value is bypass (ob_bypass) and a local occupancy condition is detected*			occup_t -1	3 -1	none (enumeration) 1
Standby output value: SCPToccupancyBehavior.ob_standby_value *Primary occupancy value when the scheduled value is standby (ob_standby) and a local occupancy condition is detected*			occup_t -1	3 -1	none (enumeration) 1

Occupancy temperature setpoints: SCPTsetPnts

The occupancy temperature setpoints for heat and cool mode

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
60	12 bytes	SNVT_temp_setpt				

Occupancy thresholds: SCPToccupancyThresholds

Specifies the minimum number of occupancy sensors that must report the same value to override a scheduled output value

Index	Size	Data Type			
380	3 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Occupied threshold: SCPToccupancyThresholds.occupied *Number of occupancy sensors that must be reporting occupied to report an occupied output when the current schedule specifies an occupied state; if the number of occupancy sensors reporting occupancy is below this value, the occupancy output is set to standby*			unsigned short 255	50 0	$1\times10^{0}\times(Raw+0)$ 1
Standby to occupied override threshold: SCPToccupancyThresholds.standby_to_occupied *Number of occupancy sensors that must be reporting occupied to report an occupied output when the current schedule specifies a standby state; if the number of occupancy sensors reporting occupancy is below this value, the occupancy output is set to standby*			unsigned short 255	50 0	$1\times10^{0}\times(Raw+0)$ 1
Unoccupied to occupied override threshold: SCPToccupancyThresholds.unoccupied_to_occupied *Number of occupancy sensors that must be reporting occupied to report an occupied output when the current schedule specifies an unoccupied state; if the number of occupancy sensors reporting occupancy is below this value, the occupancy output is set to standby*			unsigned short 255	50 0	$1\times10^{0}\times(Raw+0)$ 1

OEM label: SCPToemType

The label, programmed by the OEM, to identify the unit name

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
61	31 bytes	SNVT_str_asc				

OLC Limits Setpoints: SCPTOLCLimits

MIN/MAX values for the status report are set here

Index	Size	Data Type			
345	22 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Limit high current: SCPTOLCLimits.lamp_current_high			SNVT_amp_ac_mil		
Limit low current: SCPTOLCLimits.lamp_current_low			SNVT_amp_ac_mil		
Limit main current high: SCPTOLCLimits.main_current_high			SNVT_amp_ac_mil		
Limit main current low: SCPTOLCLimits.main_current_low			SNVT_amp_ac_mil		
Limit lamp voltage high: SCPTOLCLimits.lamp_voltage_high			SNVT_volt_ac		
Limit lamp voltage low: SCPTOLCLimits.lamp_voltage_low			SNVT_volt_ac		
Limit main voltage high: SCPTOLCLimits.main_voltage_high			SNVT_volt_ac		
Limit main voltage low: SCPTOLCLimits.main_voltage_low			SNVT_volt_ac		
Limit power factor low: SCPTOLCLimits.power_factor_low			SNVT_pwr_fact		
Limit power high: SCPTOLCLimits.power_high			SNVT_power		
Limit power low: SCPTOLCLimits.power_low			SNVT_power		

Orientation: SCPTorientation

The orientation angle of the display image (0 = landscape, 90 = portrait)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
231	2 bytes	SNVT_angle_deg				

Outdoor air enthalpy: SCPToutdoorAirEnthalpySetpoint

Setpoint for the outdoor air enthalpy economizer enable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
200	2 bytes	SNVT_enthalpy				

Outdoor air temperature: SCPToutdoorAirTempSetpoint

Setpoint for the outdoor air temperature economizer enable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
199	2 bytes	SNVT_temp_p				

Override behavior: SCPTovrBehave

This parameter is used to define the behavior when an override request is received.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
32	1 bytes	SNVT_override				

Override value: SCPTovrValue

The value a sensor should adopt when an object is overridden, and the behavior is "SPECIFIED"

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
33		inheriting				

Part number: SCPTpartNumber

Manufacturer-defined part number string for the device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
182	31 bytes	SNVT_str_asc				

Poll rate.: SCPTpollRate

Specifies the poll rate for each data source. When this value is greater than zero, the functional block polls each of the data sources identified in the source address array at the rate specified by this value.

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
335	4 bytes	s32_type (signed 32-bit type)	0	2147483646	$1\times10^{-1}\times(Raw+0)$	0.1 seconds

Power send on delta.: SCPTpwrSendOnDelta

The minimum change required to propoagate the output value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
315	2 bytes	SNVT_power				

Power-up delay: SCPTpwrUpDelay

The minimum period of time after power-up or re-establishment of communications before a control action takes place

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
72	2 bytes	SNVT_time_sec				

Power-up state: SCPTpowerupState

The state of a light controller object after power-up or reset

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
87	4 bytes	SNVT_setting				

Primary default value: SCPTprimeVal

The default output value when an area is occupied

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid

155	2 bytes	SNVT_switch				

Program Name: SCPTprogName

Name of currently loaded program

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
351	31 bytes	SNVT_str_asc				

Program Revision: SCPTprogRevision

Revision number and date of currently loaded program

Index	Size	Data Type			
352	11 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTprogRevision.major_version			unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
SCPTprogRevision.minor_version			unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1
SCPTprogRevision.build_number			unsigned long (none)	65535 0	$1\times10^{0}\times(Raw+0)$ 1
SCPTprogRevision.build_date			SNVT_time_stamp		

Program Select: SCPTprogSelect

Buffer Id where the currently loaded program is stored

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
353	1 bytes	unsigned short	0	255	$1\times10^{0}\times(Raw+0)$	1

Pulse and Transformer Constant: SCPTpulseValue

This configuration property is used to scale the raw pulse value to an

energy-meter value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
292	4 bytes	SNVT_muldiv				

Pulse-width modulation period: SCPTpwmPeriod

The time period to be used in pulse-width modulation control strategy

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
216	7 bytes	SNVT_elapsed_tm				

Pump characteristic: SCPTpumpCharacteristic

The basic characteristic data for a pump

Index	Size	Data Type			
233	6 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Maximum speed: **SCPTpumpCharacteristic.speedMax**			SNVT_rpm		
Maximum pressure: **SCPTpumpCharacteristic.pressMax** *Maximum pressure at zero flow*			SNVT_press		
Maximum flow: **SCPTpumpCharacteristic.flowMax** *maximum flow at zero pressure*			SNVT_flow_p		

Pump down delay: SCPTpumpDownDelay

The delay to use before starting the defrost

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
113	2 bytes	SNVT_time_sec				

Randomization interval: SCPTrandomizationInterval

Specifies an interval around a scheduled time that is used by a scheduler to calculate a random event time. Used to reduce simultaneous startup and shutdown of many devices by multiple schedulers.

Index	Size	Data Type			
376	4 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Earliest time offset: SCPTrandomizationInterval.earliest_time_offset			SNVT_time_sec		
Latest time offset: SCPTrandomizationInterval.latest_time_offset			SNVT_time_sec		

Reflection factor: SCPTreflection

The internal gain factor for the measured illumination level

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
89	2 bytes	SNVT_lev_percent				

Refrigerant glide: SCPTrefrigGlide

Used to characterize the glide of the refrigerant used

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
117	2 bytes	SNVT_temp				

Refrigerant type: SCPTrefrigType

Index	Size	Data Type			
119	18 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Refrigerant name:			unsigned	255	$1\times10^{0}\times(Raw+0)$

SCPTrefrigType.refrigerant	char (none)	0	1 array of 6 characters
Constant A: SCPTrefrigType.A	floating-point NAN and Out of Range	3.4028234663853E+038 -3.4028234663853E+038	floating Constant A
Constant B: SCPTrefrigType.B	floating-point NAN and Out of Range	3.4028234663853E+038 -3.4028234663853E+038	floating Constant B
Constant C: SCPTrefrigType.C	floating-point NAN and Out of Range	3.4028234663853E+038 -3.4028234663853E+038	floating Constant C

Register name: SCPTregName

The name of a utility data logger register device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
163	31 bytes	SNVT_str_asc				

Relative humidity offset: SCPToffsetRH

Used to calibrate external hardware with additive offset after transformation

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
69	2 bytes	SNVT_lev_percent				

Response timeout: SCPTtimeout

The timeout for a controlling device to respond, during control permission request

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
170	2 bytes	SNVT_time_sec				

Return fan pressure: SCPTreturnFanStaticPressureSetpoint

Setpoint for the return fan static pressure

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
194	2 bytes	SNVT_press_p				

Running hours alarm threshold level: SCPTrunHrAlarm

The alarm threshold for the running hours counter

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
136	7 bytes	SNVT_elapsed_tm				

Running hours counter initialization: SCPTrunHrInit

The initial value of the running hours counter network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
135	7 bytes	SNVT_elapsed_tm				

Runtime Alarm: SCPTrunTimeAlarm

This configuration property can be used to provide the alarm threshold for the run time counter output network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
290	7 bytes	SNVT_elapsed_tm				

Safety mode: SCPTsafExtCnfg

Mode that a device has to be brought to when a safety external request state is pending

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
257		inheriting				

Saturation delay: SCPTsaturationDelay

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
271	2 bytes	SNVT_time_min				

Saturday schedule: SCPTscheduleSaturday

A structure containing an array of seven time-value pairs that specify the daily schedule for Saturday; unused time-value pairs have an invalid value (31) for the hour; if two time-value pairs specify the same time, the first with a valid output value is used

Index	Size	Data Type			
371	28 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTscheduleSaturday.time_value			SNVT_time_val_2		

Scan Time.: SCPTscanTime

Duration in which all devices are being queried

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
321	7 bytes	SNVT_elapsed_tm				

Scene color configuration: SCPTsceneColor

Scene color definition used to supplement a scene table created with a

SCPTscene array. This SCPT defines optional color scene table entries for the ISI profiles. When used, it must be used in combination with a SCPTscene array.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
343	5 bytes	SNVT_color_2				

Scene configuration: SCPTscene

Scene definition used to create a scene table. This SCPT defines the minimum entries required by the ISI profiles. May be used in combination with SCPTsceneTiming.

Index	Size	Data Type			
307	4 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Scene number.: **SCPTscene.scene_number** *Scene number used to uniquely identify a scene. A scene number to be recalled or learned is typically received from a SNVT_switch_2 or SNVT_scene input NV.*			unsigned short 0	255 1	$1\times10^{0}\times(Raw+0)$ 1
Scene setting level: **SCPTscene.setting** *Setting value that is applied when the scene specified by scene_number is recalled. Also used to set or specify a factor to be multiplied with the setting.*			unsigned short 255	200 0	$5\times10^{-1}\times(Raw+0)$ 0.5 % of full level
Scene rotation angle: **SCPTscene.rotation** *Rotation angle that is applied when the scene specified by scene_number is recalled. Only applies to devices that support a rotation setting such as blinds.*			signed short -128	90 -90	$2\times10^{0}\times(Raw+0)$ 2 degrees
Unoccupied scene number.: **SCPTscene.unoccupied_scene** *Scene to be activated when the scene specified by scene_number is active, and an unoccupied input is received.*			unsigned short 0	255 1	$1\times10^{0}\times(Raw+0)$ 1

Scene name.: SCPTsceneName

Name for a scene to be used by optional user interface applications. Used

to create an array that supplements a scene table created with a SCPTscene array.

Index	Size	Data Type			
316	13 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Character encoding.: SCPTsceneName.encoding *Character encoding method*			char_encoding_t -1	2 -1	none (enumeration) 1
SCPTsceneName.name			unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Scene number: SCPTsceneNmbr

The number of the first scene for the panel, other numbers are subsequent

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
94	1 bytes	unsigned short	1	255	$1\times10^{0}\times(Raw+0)$	1 Numeric selector

Scene offset: SCPTsceneOffset

The offset for the scene number when data is forwarded from primary to secondary

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
157	1 bytes	unsigned short	0	255	$1\times10^{0}\times(Raw+0)$	1

Scene timing configuration: SCPTsceneTiming

Scene timing definition used to supplement a scene table created with a SCPTscene array. This SCPT defines the optional scene table entries for the ISI profiles. When used, it must be used in combination with a SCPTscene array.

Index	Size	Data Type	
308	4 bytes	structure	

Field	Data Type / Invalid Value	Maximum / Minimum	Scaled Value / Resolution
Scene fade time: **SCPTsceneTiming.fade_time** *Time to ramp to a new setting. Fading starts after any delay specified by the delay_time field, so the total time to move to a new value is delay_time plus fade_time seconds.*	unsigned long (none)	65535 0	$1\times10^{-1}\times(Raw+0)$ 0.1 seconds
Scene delay time: **SCPTsceneTiming.delay_time** *Delay time from the time a new scene is selected until any change is made to the light intensity or appliance state.*	unsigned long (none)	65535 0	$1\times10^{-1}\times(Raw+0)$ 0.1 seconds

Schedule: SCPTschedule

Describes the attributes of a daily schedule definition

Index	Size	Data Type
274	3 bytes	structure

Field	Data Type / Invalid Value	Maximum / Minimum	Scaled Value / Resolution
Temporary flag: **SCPTschedule.temporary** *Identifies a temporary schedule. Temporary schedules are deleted at the end of the day that they are active*	bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 0
Schedule priority: **SCPTschedule.schedule_priority** *Specifies the priority for this schedule. Low priority values specify high priority, and high priority values specify low priority. Zero (0) is the highest priority and 255 is the lowest*	bitfield	127 0	$1\times10^{0}\times(Raw+0)$ bits: 7 at offset: 1
Time-value array index: **SCPTschedule.time_value_index** *Identifies the starting entry of a list of time-value events in a SCPTscheduleTimeValue array. The end of the list is identified by the terminator field in the SCPTscheduleTime entry*	unsigned long 65535	65535 0	$1\times10^{0}\times(Raw+0)$ 1

Schedule dates: SCPTscheduleDates

A range of dates with an optional qualifier that specifies when a schedule is active

Index	Size	Data Type			
273	12 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Schedule start: **SCPTscheduleDates.start**			structure		
Starting year: **SCPTscheduleDates.start.year** *Starting year for schedule*			signed long -1	3000 -1	$1\times10^{0}\times(Raw+0)$ 1
Starting month: **SCPTscheduleDates.start.month** *Starting month for schedule*			unsigned short (none)	12 0	$1\times10^{0}\times(Raw+0)$ 1
Starting day: **SCPTscheduleDates.start.day** *Starting day for schedule*			days_of_month_t -1	117 -1	none (enumeration) 1
Schedule end: **SCPTscheduleDates.end**			structure		
Ending year: **SCPTscheduleDates.end.year** *Ending year for schedule*			signed long -1	3000 -1	$1\times10^{0}\times(Raw+0)$ 1
Temporary flag: **SCPTscheduleDates.end.temporary** *Identifies a temporary schedule. Temporary schedules are deleted at the end of the day that they are active*			bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 0
Ending month: **SCPTscheduleDates.end.month** *Ending month for schedule*			bitfield	12 0	$1\times10^{0}\times(Raw+0)$ bits: 7 at offset: 1
Ending day: **SCPTscheduleDates.end.day** *Ending day for schedule*			days_of_month_t -1	117 -1	none (enumeration) 1
SCPTscheduleDates.qualifier			structure		
Month qualifier: **SCPTscheduleDates.qualifier.months** *Months within the dates specified by the start and end dates*			months_t -1	24 -1	none (enumeration) 1
Days qualifier: **SCPTscheduleDates.qualifier.days** *Days within the dates specified by the start and end dates*			days_of_month_t -1	117 -1	none (enumeration) 1
Schedule number: **SCPTscheduleDates.schedule_index**			unsigned long 65535	65535 0	$1\times10^{0}\times(Raw+0)$ 1

Index into a schedule or schedule name array			

Schedule name: SCPTscheduleName

Used to create an array of names for schedules defined by a SCPTschedule array or a SCPTscheduleDates array.

Index	Size	Data Type			
279	22 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTscheduleName.name			unsigned char (none)	126 0	$1\times10^{0}\times(Raw+0)$ 1

Schedule time-value pair: SCPTscheduleTimeValue

Specifies the time and value for a scheduled event

Index	Size	Data Type			
275	3 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Invalid flag: **SCPTscheduleTimeValue.invalid** *Identifies an undefined schedule entry*			bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 0
Terminator flag: **SCPTscheduleTimeValue.terminator** *Identifies the last entry in a time-value list*			bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 1
Hour: **SCPTscheduleTimeValue.hour** *Hours since midnight for a scheduled event*			bitfield	47 0	$1\times10^{0}\times(Raw+0)$ bits: 6 at offset: 2
Minute: **SCPTscheduleTimeValue.minute** *Minute within the hour for a scheduled event*			unsigned short (none)	59 0	$1\times10^{0}\times(Raw+0)$ 1
Scheduler value: **SCPTscheduleTimeValue.value** *Specifies the value to output when a time-value pair is active. The value must be mapped to a value that matches the type of the output network variable*			SNVT_sched_val		

Scheduler options: SCPTschedulerOptions

Index	Size	Data Type			
379	1 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTschedulerOptions.reserved			bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 5 at offset: 0
Alternate time source option flag: SCPTschedulerOptions.alternate_time_source *Set to one if the device supports an alternate time source such as an interface to an NTP or SNTP server, GPS clock, or radio atomic-clock source*			bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 5
General-purpose option flag: SCPTschedulerOptions.general_purpose_output *Set to one if the general purpose output is supported; if zero, only the occupancy output is used*			bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 6
Sunrise and sunset relative scheduling option flag: SCPTschedulerOptions.sunrise_sunset_relative *Set to one if the scheduler supports sunsrise and sunset relative scheduling; set to zero if sunrise and sunset relative scheduling is not supported*			bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 7

Scroll speed: SCPTscrollSpeed

The scroll speed of the display image

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
229	2 bytes	SNVT_switch				

Secondary default value: SCPTsecondVal

The default output value when the neighboring area is occupied

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
156	2 bytes	SNVT_switch				

Send on delta: SCPTminDeltaLevel

The minimum change required to force transmission of the output value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
88	1 bytes	SNVT_lev_cont				

Send on delta: SCPTsndDelta

The minimum change required to force transmission of the output value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
27		inheriting				

Sensor Identity: SCPTidentity

A number from 0 to 65535 identifying a sensor by number

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
294	2 bytes	unsigned long	0	65535	$1\times10^{0}\times(Raw+0)$	1

Serial number: SCPTserialNumber

Manufacturer-defined serial number string for the device

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
179	31 bytes	SNVT_str_asc				

Setpoint: SCPTsetpoint

Setpoint for the object

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
213		inheriting				

Setpoint, illumination level: SCPTluxSetpoint

The illumination level setpoint for the controller

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
82	2 bytes	SNVT_lux				

Sluice-lock master/slave control: SCPTsluiceCnfg

Role of a device in a sluice-lock connection. A sluice-lock is an interlock mechanism between two entry/exit devices, or a sluice manager and several entry/exit devices, to ensure that only one single entry/exit device is opened at any point in time.

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
259	1 bytes	master_slave_t	-1	2	none (enumeration)	-1

Source address.: SCPTsourceAddress

Specifies a source address or element of an array of source addresses for and input to a functional block.

Index	Size	Data Type			
336	2 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Subnet ID.: **SCPTsourceAddress.subnet** *ANSI/CEA-709.1 subnet ID.*			unsigned short 0	255 1	$1\times10^{0}\times(Raw+0)$ 1
Reserved.: **SCPTsourceAddress.reserved** *Set to 0. Applications must ignore this bit.*			bitfield	0 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 0
Node ID.: **SCPTsourceAddress.node** *ANSI/CEA-709.1 node ID. The value 0 is invalid.*			bitfield	127 0	$1\times10^{0}\times(Raw+0)$ bits: 7 at offset: 1

Source Location: SCPTprogSourceLocation

Location from where the current program was downloaded

Index	Size	Data Type			
354	255 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTprogSourceLocation.location			unsigned char (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1

Space humidification: SCPTspaceHumSetpoint

Setpoint for the default space humidification

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
203	2 bytes	SNVT_lev_percent				

Standby heating minimum air flow: SCPTminFlowHeatStby

Heating or ventilated deck minimum flow of a dual duct VAV Terminal unit during occupied standby mode

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
263	2 bytes	SNVT_flow				

Standby rotational speed: SCPTstandbyRotationalSpeed

The standby rotational speed in Hz

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
181	2 bytes	SNVT_freq_hz				

Standby unit minimum air flow: SCPTminFlowUnitStby

Total unit minimum airflow for dual duct units during occupied standby mode

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
264	2 bytes	SNVT_flow				

Startup delay: SCPTstrtupDelay

The time to delay after power-up, defrost, or pack fail

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
111	2 bytes	SNVT_time_sec				

Startup valve opening: SCPTstrtupOpen

Maximum valve opening to use after power-up, defrost, or pack fail

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
115	2 bytes	SNVT_lev_percent				

State History: SCPTprogErrorHistory

Log of recent status values, with time stamp

Index	Size	Data Type			
363	8 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTprogErrorHistory.time_of_error			SNVT_time_stamp		
SCPTprogErrorHistory.error			program_status_error_t -1	63 -1	none (enumeration) 1

State History: SCPTprogStateHistory

Log of recent status values, with time stamp

Index	Size	Data Type			
357	8 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTprogStateHistory.time_of_state_change			SNVT_time_stamp		
SCPTprogStateHistory.state			program_state_t -1	5 -1	none (enumeration) 1

Step value, ramp or master fade: SCPTstepValue

The step value for up/down ramps or fade control

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
92	1 bytes	SNVT_lev_cont				

Summer time, start date and time: SCPTsummerTime

The start of summer time for purposes of daylight-savings time, all zeros disables

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
99	7 bytes	SNVT_time_stamp				

Sunday schedule: SCPTscheduleSunday

A structure containing an array of seven time-value pairs that specify the daily schedule for Sunday; unused time-value pairs have an invalid value (31) for the hour; if two time-value pairs specify the same time, the first with a valid output value is used

Index	Size	Data Type	

365	28 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTscheduleSunday.time_value			SNVT_time_val_2		

Sunrise time: SCPTsunriseTime

Time used for sunrise-relative scheduling; must be implemented as a configuration network variable; only the time fields are used for scheduling--the date fields indicate the date used for the configured time

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
377	7 bytes	SNVT_time_stamp				

Sunset time: SCPTsunsetTime

Time used for sunset-relative scheduling; must be implemented as a configuration network variable; only the time fields are used for scheduling--the date fields indicate the date used for the configured time

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
378	7 bytes	SNVT_time_stamp				

Super heat reference initialization: SCPTsuperHtRefInit

Default value for the super heat target network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
114	2 bytes	SNVT_temp_p				

Super heat reference maximum: SCPTsuperHtRefMax

Maximum value for the target super heat network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid

118	2 bytes	SNVT_temp_p				

Super heat reference minimum: SCPTsuperHtRefMin

Minimum value for the target super heat network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
116	2 bytes	SNVT_temp_p				

Temperature hysteresis: SCPTtemperatureHysteresis

General-purpose temperature hysteresis differential between on-point and off-point

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
214	2 bytes	SNVT_temp_diff_p				

Temperature offset: SCPToffsetTemp

Used to calibrate external hardware with additive offset after transformation

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
70	2 bytes	SNVT_temp_p				

Temperature offset: SCPTtempOffset

Temperature offset for calibration

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
227	2 bytes	SNVT_temp_diff_p				

Temperature sensor constant: SCPTsensConstTmp

Calibration value for a duct temperature sensor

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
65	2 bytes	SNVT_multiplier				

Temperature weighting: SCPTcontrolTemperatureWeighting

Weighting between two temperatures in percent

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
215	2 bytes	SNVT_lev_percent				

Thermal alarm trip threshold: SCPTthermThreshold

Thermal alarm trip threshold for the initiator

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
152	2 bytes	SNVT_temp				

Thermal rate of change/rise trip value: SCPTthermAlrmROR

The thermal alarm trip rate of rise

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
142	2 bytes	SNVT_temp_ror				

Thermostat mode: SCPTthermMode

The thermostat control strategy

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid

120	1 bytes	SNVT_therm_mode				

Thursday schedule: SCPTscheduleThursday

A structure containing an array of seven time-value pairs that specify the daily schedule for Thursday; unused time-value pairs have an invalid value (31) for the hour; if two time-value pairs specify the same time, the first with a valid output value is used

Index	Size	Data Type			
369	28 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTscheduleThursday.time_value			SNVT_time_val_2		

Time event entry: SCPTtimeEvent

Event or mode definitions to be transmitted if the time in the record is reached

Index	Size	Data Type			
104	4 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Type of time event record: SCPTtimeEvent.record_type			event_mode_type_t -1	4 -1	none (enumeration) 1
Hour: SCPTtimeEvent.hour			unsigned short (none)	23 0	$1\times10^{0}\times(Raw+0)$ 1 hours
Minute: SCPTtimeEvent.minute			unsigned short (none)	59 0	$1\times10^{0}\times(Raw+0)$ 1 minutes
Event mode information: SCPTtimeEvent.event_mode			unsigned short (none)	255 0	$1\times10^{0}\times(Raw+0)$ 1 event mode number

Time source: SCPTtimeSource

Specifies the source of time

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
373	1 bytes	time_source_t	-1	4	none (enumeration)	-1

Time zone descriptor: SCPTtimeZone

Time zone of node (offset from GMT, start and end of DST)

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
154	15 bytes	SNVT_time_zone				

Translation table X: SCPTtrnsTblX

Used in conjunction with Translation table Y to scale and linearize a value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
28	30 bytes	SNVT_trans_table				

Translation table Y: SCPTtrnsTblY

Used in conjunction with Translation table X to scale and linearize a value

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
29	30 bytes	SNVT_trans_table				

Tuesday schedule: SCPTscheduleTuesday

A structure containing an array of seven time-value pairs that specify the daily schedule for Tuesday; unused time-value pairs have an invalid value (31) for the hour; if two time-value pairs specify the same time, the first with a valid output value is used

Index	Size	Data Type	

367	28 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTscheduleTuesday.time_value			SNVT_time_val_2		

Turn-off delay: SCPToffDely

The length of time that the load remains energized after a change from ON to OFF has been received

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
30	7 bytes	SNVT_elapsed_tm				

Unit Heating Minimum Flow: SCPTminFlowUnitHeat

Minimum airflow setpoint of a single duct, or the unit minimum airflow setpoint of a dual duct VAV terminal when using a unit (local) heating source

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
270	2 bytes	SNVT_flow				

Unit maximum air flow: SCPTmaxFlowUnit

Unit maximum airflow for dual duct VAV Terminal units

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
262	2 bytes	SNVT_flow				

Unit minimum air flow: SCPTminFlowUnit

Unit minimum air flow for dual duct VAV Terminal units

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
261	2 bytes	SNVT_flow				

UNVT Flag: SCPTnvPriority

Defines whether the NV is of SNVT (=0) or UNVT (=1)

Index	Size	Data Type			
296	1 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
UNVT Flag: SCPTnvPriority.user_flag *Defines whether the NV is of SNVT (=0) or UNVT (=1)*			bitfield	1 0	$1\times10^{0}\times(Raw+0)$ bits: 1 at offset: 0
NV Declaration Index: SCPTnvPriority.nv *The member index from the profile*			bitfield	127 0	$1\times10^{0}\times(Raw+0)$ bits: 7 at offset: 1

Update rate, time stamp: SCPTupdateRate

The update rate of the master clock to the associated network variable

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
98	2 bytes	SNVT_time_sec				

Value name: SCPTvalueName

Used to create an array of value names for each of the values defined in a SCPTvalueDefinition array

Index	Size	Data Type			
277	22 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Name: SCPTvalueName.name *Nul-terminated name string of up to 22 characters. The nul terminator is not required if the string is 22 characters.*			unsigned char (none)	126 32	$1\times10^{0}\times(Raw+0)$ 1 array of 22 characters

Valve Flow: SCPTvalveKvs

This configuration property can be used to provide the flow through an open valve at 1 bar differential pressure

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
282	2 bytes	SNVT_flow_p				

Valve flow characteristic: SCPTvalveFlowCharacteristic

Actual flow characteristic of the valve

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
248	1 bytes	SNVT_dev_c_mode				

Value definition: SCPTvalueDefinition

Used to create an array of output values to be used for a schedule. A schedule time-value event specifies a value as an index into a SCPTvalueDefinition array

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
276		inheriting				

Valve operating mode: SCPTvalveOperatingMode

The normal operating mode of the valve

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
249	1 bytes	SNVT_valve_mode				

Valve Stroke: SCPTvalveStroke

This configuration property can be used to provide the stroke to fully open the valve

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
280	2 bytes	SNVT_length_mil				

Valve Type: SCPTvalveType

This configuration property can be used to provide the valve type

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
283	1 bytes	SNVT_dev_c_mode				

Valve-Plug Characteristic Table X: SCPTtrnsTblX2

This configuration property will be used in conjunction with the translation-table Y configuration property to create a translation table that dictates how to scale the flow with respect to the mechanical stroke

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
285	30 bytes	SNVT_trans_table				

Valve-Plug Characteristic Table Y: SCPTtrnsTblY2

This configuration property will be used in conjunction with the translation-table X configuration property to create a translation table that dictates how to scale the flow with respect to the mechanical stroke

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
286	30 bytes	SNVT_trans_table				

VAV gain: SCPTgainVAV

The gain of the VAV controller object

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
66	2 bytes	SNVT_multiplier				

VAV sensor constant: SCPTgainVAVHeat

Calibration constant used to calculate airflow

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
268	2 bytes	SNVT_multiplier				

VAV sensor constant: SCPTsensConstVAV

Calibration constant used to calculate airflow

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
67	2 bytes	SNVT_multiplier				

Visible light output intensity: SCPTvisOutput

Visible light output intensity specification of the device at 0 deg viewing angle

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
143	2 bytes	unsigned long	0	10000	$1\times10^{-1}\times(Raw+0)$	0.1 candela

Wednesday schedule: SCPTscheduleWednesday

A structure containing an array of seven time-value pairs that specify the daily schedule for Wednesday; unused time-value pairs have an invalid value (31) for the hour; if two time-value pairs specify the same time, the first with a valid output value is used

Index	Size	Data Type			
368	28 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
SCPTscheduleWednesday.time_value			SNVT_time_val_2		

Weekly schedule: SCPTweeklySchedule

Identifies a schedule to be active for each day of the week

Index	Size	Data Type			
278	14 bytes	structure			
Field			**Data Type / Invalid Value**	**Maximum / Minimum**	**Scaled Value / Resolution**
Time-value index array: SCPTweeklySchedule.schedule_index *Identifies the starting entry of a list of time-value events in a SCPTscheduleTimeValue array. The end of the list is identified by the terminator field in the SCPTscheduleTime entry*			unsigned long 65535	65535 0	$1 \times 10^{0} \times (Raw + 0)$ 1

Winter time, start date and time: SCPTwinterTime

The start of winter time for purposes of daylight-savings time, all zeros disables

Index	Size	Data Type	Minimum	Maximum	Scaled Value	Invalid
100	7 bytes	SNVT_time_stamp				

Zone number: SCPTzoneNum

The zone number for the device

Index	Size	Data Type	Minimum	Maximum	Scaling	Resolution
141	2 bytes	unsigned long	0	65535	$1 \times 10^{0} \times (Raw + 0)$	1 zone number

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