InetSupervisor™

SI1 Programmable Controller

Multi-Protocol: BACnet/IP and LonWorks
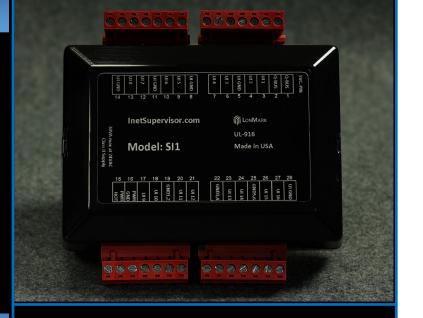
MADE IN U. S. A.

APPLICATIONS

HVAC automation

Industrial automation

Lighting automation

InetSupervisor.com
LonMark
UL-916
Model: SI1
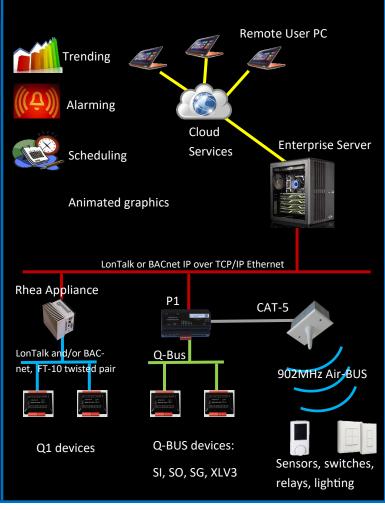Made in USA

OVERVIEW

The S Series are microprocessor based programmable controllers designed to control, optimize and improve energy efficiency of variety of equipment. All controller I/O are freely programmable with the InetSupervisor Portal app that is free to our customers. The SI1 uses Q-Bus a fully isolated transceiver for best in its class networking over twisted pair of wires. Q-Bus networks are polarity and topology free. The network utilizes open standard BACnet/IP protocol and is encrypted using FIPS grade algorithms.

SI1 features fast response time suitable for general building, lighting, and lite industrial automation. SI1 controllers can be connected on the Q-BUS sub network, recognized by the programmable host and made available automatically for graphical programming. There are no limits to program length or complexity other than device memory.

Trending

Alarming

Scheduling

Animated graphics

Remote User PC

Cloud Services

Enterprise Server

LonTalk or BACnet IP over TCP/IP Ethernet

Rhea Appliance

P1

CAT-5

LonTalk and/or BACnet, FT-10 twisted pair

Q-Bus

902MHz Air-BUS

Q1 devices

Q-BUS devices:

SI, SO, SG, XLV3

Sensors, switches, relays, lighting

I/O CONFIGURATION

16 x Universal Inputs	All inputs have 12 bit resolution
Resistive	Thermistor 10KΩ Type II and Type III
	(Type II is recommended)
	Potentiometer with custom scaling
	Dry contact
Voltage	0-10V DC
Current	0-20mA DC

MECHANICAL

Hardware	
Processor	FT-6050, 8bits, 80MHz
Memory	128k application memory
Transceiver	FTT-10; 78kbps
Indicators	Multicolor LED, power, status
Comm Ports	RJ11, LON

Power	
Supply Voltage	24VAC; 50/60Hz; Class II
Max	30VA
Typical	6VA plus peripherals
Fuse	1.85A auto-resettable

Enclosure	
Material	ABS/PC
Color	Black
Installation	35mm DIN
Connectors	Removable (RED)

Environment	
Temperature	0°-70°C (32°-158°F)
Humidity	0-90% non-condensing
Storage	-20°- 70°C (-4° - 158°F)

STATUS LIGHTS

LED	
Device status GREEN	Pulsing green = Normal
	Off = No power or other fault
Service pin GREEN	OFF = Normal, running
	ON = No application

AGENCY APPROVALS

Safety Certifications	UL916 Energy Management Equipment CSA C22.2#205 Issue 1983/06/01 (R2009) Signal Equipment standard

WARRANTY

Standard 2-year warranty.

UL916   RoHS