InetSupervisor™

SO1 I/O Programmable Controller

Multi-Protocol: BACnet/IP and LonWorks

APPLICATIONS

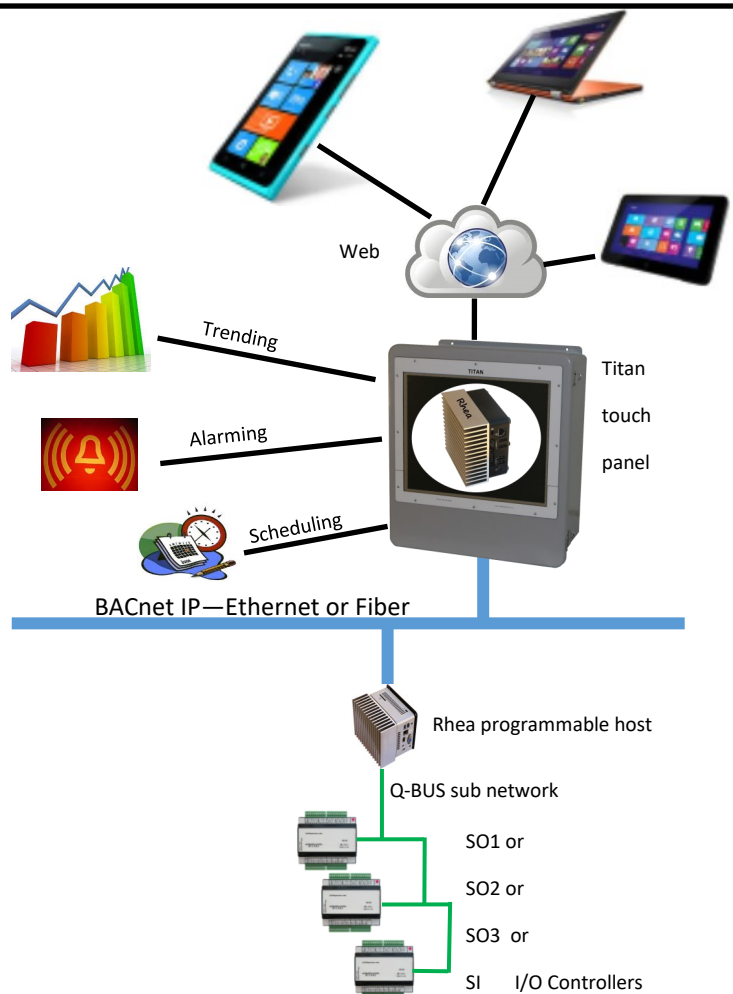HVAC automation

Industrial automation
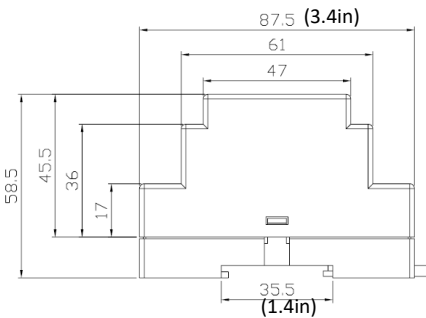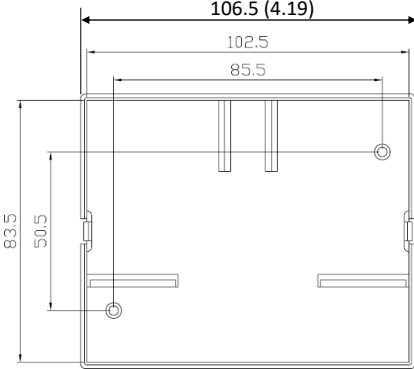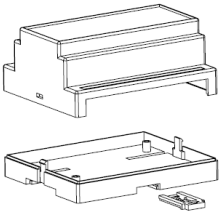
Lighting automation

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 app that is free to our customers. The SO1 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.

SO2 features fast response time suitable for general building, lighting, and lite industrial automation. Up to 60 SO1 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.

PRODUCT PART NUMBERS

HW Part Number: **SO1-0.8.8**

http://www.InetSupervisor.com

I/O CONFIGURATION

NOTE: No Hardware Jumpers required to configure I/O

Digital Outputs	8 x Digital
	Triac rated at 1A @ 24V AC, externally powered
Analog Outputs	8 x Analog, 20mA max at 30°C, 8bit
	0 or 10VDC Digital / Binary
	0-10V DC adjustable , linear

MECHANICAL

Hardware	
Processor	ARM Cortex M4
Transceiver	FTT-10; 78kbps
Indicators	LED, power, status
Power	
Supply Voltage	24VAC; 50/60Hz; Class II or 15-55V DC
Max	30VA
Typical	6VA plus peripherals
Fuse	1.85A auto-resettable
Enclosure	
Material	ABS
Color	Black
Installation	35mm DIN
Connectors	Removable (Green)
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.

LonMARK   **UL916** **RoHS**   ETL Intertek

87.5 (3.4in)
61
47
58.5
45.5
36
17
35.5 (1.4in)

106.5 (4.19)
102.5
85.5
83.5
50.5