

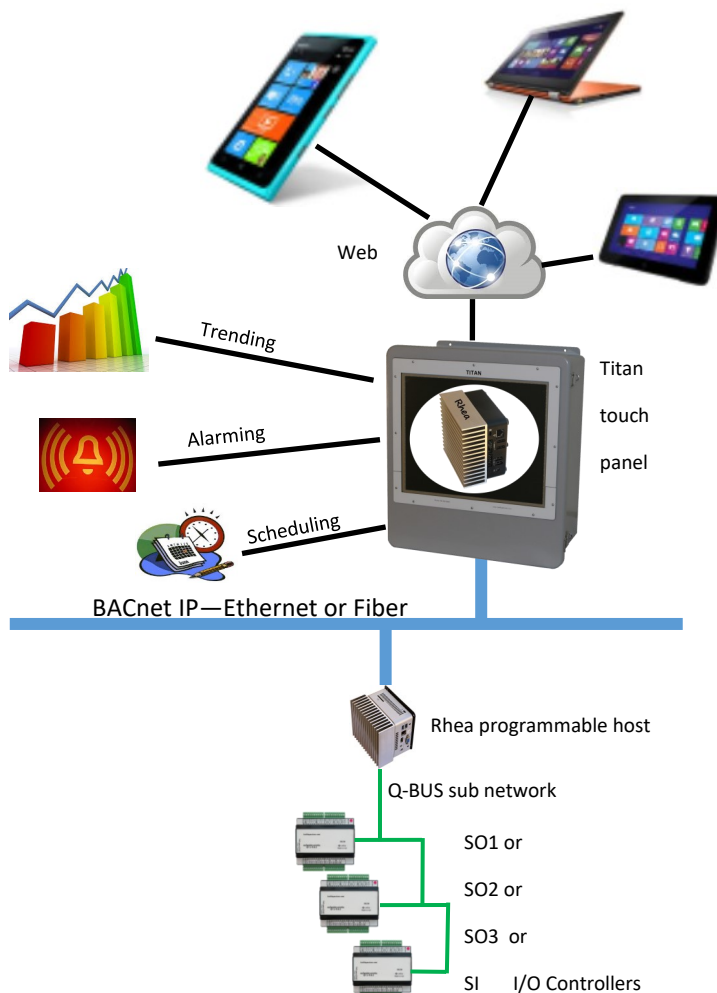
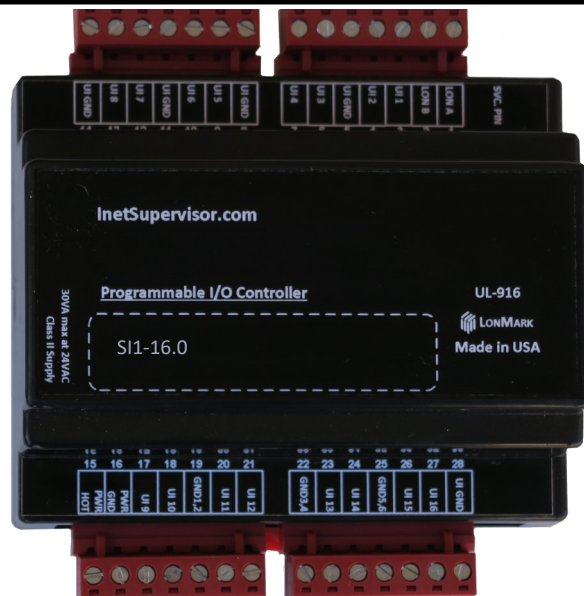
### APPLICATIONS

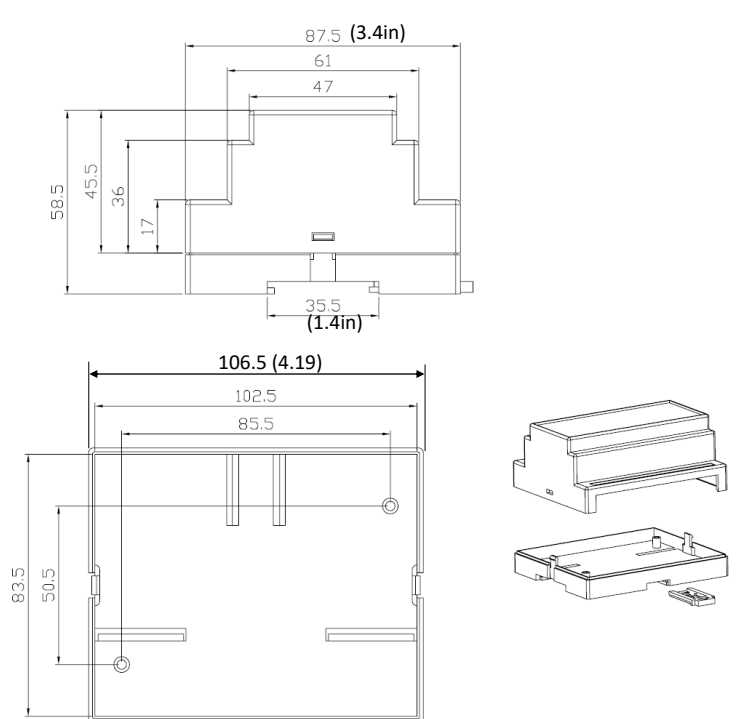
- HVAC automation
- Industrial automation
- Lighting automation

### 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.



I/O CONFIGURATION		MECHANICAL	
<b>NOTE: No Hardware Jumpers required to configure I/O</b>		<b>Hardware</b>	
<b>16 x Universal Inputs</b>	All inputs have 12 bit resolution	Processor	FT-5000, 8bits, 80MHz
Resistive	Thermistor 10KΩ Type II and Type III (Type II is recommended)	Memory	48k application memory
	Potentiometer with custom scaling	Transceiver	FTT-10; 78kbps
	Dry contact	Indicators	LED, power, status
Voltage	0-10V DC	<b>Power</b>	
Current	0-20mA DC	Supply Voltage	24VAC; 50/60Hz; Class II or 15-55V DC Class II
		Max	30VA
		Typical	6VA plus peripherals
		Fuse	1.85A auto-resettable
		<b>Enclosure</b>	
		Material	ABS
		Color	Black
		Installation	35mm DIN
		Connectors	Removable (RED)
		<b>Environment</b>	
		Temperature	0°-70°C (32°-158°F)
		Humidity	0-90% non-condensing
		Storage	-20°- 70°C (-4° - 158°F)
<b>STATUS LIGHTS</b>			
<b>LED</b>			
Device status GREEN	Pulsing green = Normal Off = No power or other fault		
Service pin GREEN	OFF = Normal, running ON = No application		
<b>AGENCY APPROVALS</b>			
Safety Certifications	UL916 Energy Management Equipment CSA C22.2#205 Issue 1983/06/01 (R2009) Signal Equipment standard		
