

APPLICATIONS

- HVAC automation
- Industrial automation
- Lighting automation

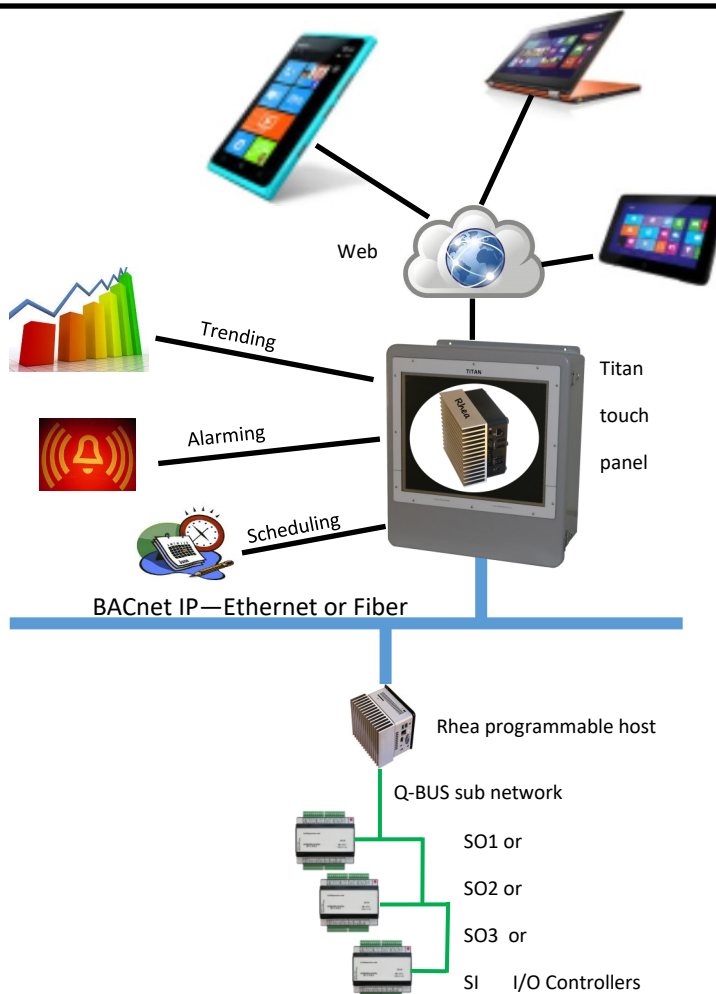
OVERVIEW

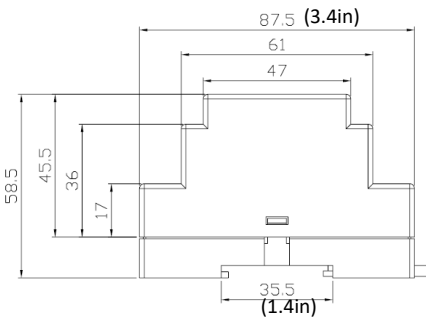
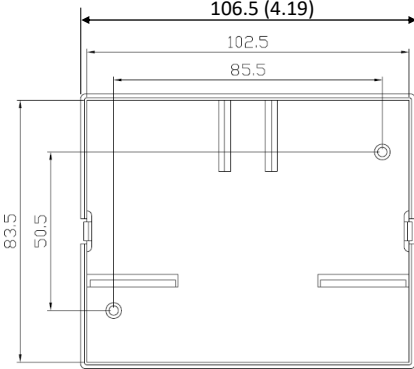
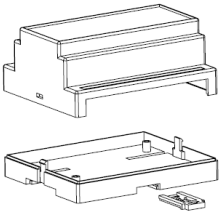
The S Series are microprocessor based programmable controllers designed to control, optimize and improve energy efficiency of variety of equipment. All controller I/O are freely programmable with the InetSupervisor app that is free to our customers. The SO2 uses Q-Bus a fully isolated transceiver for 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. Number of SO2 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: **SO2-0.16.0**



I/O CONFIGURATION		MECHANICAL	
NOTE: No Hardware Jumpers required to configure I/O		Hardware	
Digital Outputs	16 x Digital	Processor	ARM Cortex M4
	SSR solid state relay rated at 120mA @ 60V AC or DC max, externally powered	Transceiver	FTT-10; 78kbps
		Indicators	LED, power, status
		Power	
			24VAC; 50/60Hz; Class II or
		Supply Voltage	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.			
