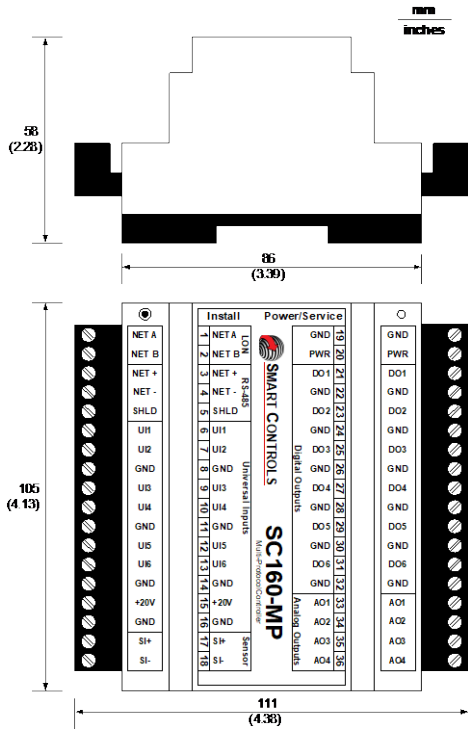




## DIMENSIONS



## SPECIFICATIONS

### General

Communication: NATIVE BACnet, LonTalk FT  
 IP Support: BACnet/IP, LonTalk/IP over TP/FT-10 (Requires Router)  
 Transceiver: RS-485 (termination jumper)  
 Selectable Baud Rate: 38400 default, 19200, 9600 TP/FT-10 (Free Topology)  
 MAC Address: Dip Switch Selectable  
 I/O Processor: 32-bit Microcontroller  
 Application Processor: Neuron® FT6050  
 Application Memory: 64 KB RAM  
 1.0 MB External Serial FLASH

### Enclosure

Dimensions: L 105 x W 86 x H 58 mm (4.13" x 3.39" x 2.28")  
 Cover: Lexan 940, UL94-V0 rated  
 Base: Noryl VO1550, UL94-V0 rated

### Power

Nominal Input Voltage: 24 VAC  
 Input Voltage Range: 19.2-28.8 VAC  
 Typical Consumption: 0.8 VA  
 Maximum Consumption: 1.2 VA, does not include Triac loading

### Environmental

Operating Temperature: -20 °C to +70 °C, -4 °F to 158 °F  
 Storage Temperature: -40 °C to +70 °C, -40 °F to 158 °F  
 Relative Humidity: 5% to 95% (non-condensing)

### Warranty

Period: 2 Years (Limited)

### Air-Flow/Pressure (XP Version)

Type: Differential Pressure  
 Range: 0-2" W.C. (0-500 Pa)  
 Resolution: 12-bit  
 Accuracy: 0.2% Full Scale (32°F -122°F, 0°C-50°C)

### Inputs

Number: 6  
 Voltage: 0-5 Volts  
 0-10 Volts  
 Current: 4-20 mA  
 Thermistor: Type 2, 3: 10K ohms (25°C, 77°F)  
 20K ohms (25°C, 77°F)  
 Digital: Dry Contact, Open-collector  
 Resolution: 12-bit  
 Accuracy: ±1% FS (25°C, 77°F)  
 Protection Circuitry: Transient Over voltage, ESD

### Outputs

Number: 10  
 6-Digital: Triac 1.0 A @ 24 VAC  
 Voltage Sourcing  
 4-Analog: 0-10 Volts  
 Resolution: 12-bit  
 Accuracy: ±1%FS (25°C, 77°F)  
 Protection Circuitry: Transient Over voltage, ESD  
 +20 VDC Supply  
 Voltage: +20 ± 0.5 VDC  
 Current Continuous: 0.3A Max. (20°C, 68°F)  
 Fused: 0.6A trip, Auto-Reset (20°C, 68°F)

### SI-20 (SI+, SI-)

Connection: 2-wire (15V Polarity Sensitive)  
 Communication: Serial

## CONTACT



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## EXAMPLE WIRING DIAGRAM

### IMPORTANT WIRING INFORMATION

- Secondary of Class 2 Transformer should always be earth grounded to provide reliable communication and sensor readings.
- \*External fuse not supplied. Size fuse according to application load and not to exceed 5 Amps.
- Do not connect external resistor to voltage inputs to sense 4-20 mA current devices. Incorrect readings will result.

