

Deluxe Wall Temperature Sensor, Protocol Communication

TW Protocol Series



TWLP

SPECIFICATIONS



Input Voltage	12 to 30VDC, 24VAC; 100mA max.
Operating Temperature Range	0° to 50°C (32° to 122°F)
Housing Material	High impact ABS plastic , UL 94 VO
Protocol	BACnet or Modbus (selectable)
Connection	2-wire RS-485
Data Rate	9600, 19200, 38400, 57600 (Modbus), bps (selectable); 9600, 19200, 38400, 76800 (BACnet), bps (selectable)
Parity	None/Odd/Even (selectable-Modbus); None (BACnet)
Address Range	1-127
Setpoint Slider Resolution (Optional)	1% full scale
Override Button (Optional)	Remotely readable and resettable
TEMPERATURE TRANSMITTER OPTION	
Sensor Type	Solid-state, integrated circuit
Accuracy	±0.5°C (±.9°F) typical
Resolution	0.1°C (0.2°F)
Range	10° to 35°C (50° to 95°F)

EMC Conformance: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC.
EMC Special Note: Connect this product to a DC distribution network or an AC/DC power adaptor with proper surge protection (EN 61000-6-1:2007 specification requirements)

Modbus and BACnet Protocol Communication

FEATURES

- Embedded BACnet and Modbus communication protocols... provides ease of integration
- Configurable to multiple baud rates...ensures network compatibility
- Network configuration eliminates the costs of home run wiring and analog inputs required by traditional sensors
- Setpoint and override activation represented in protocol... eliminates costly wiring and inputs

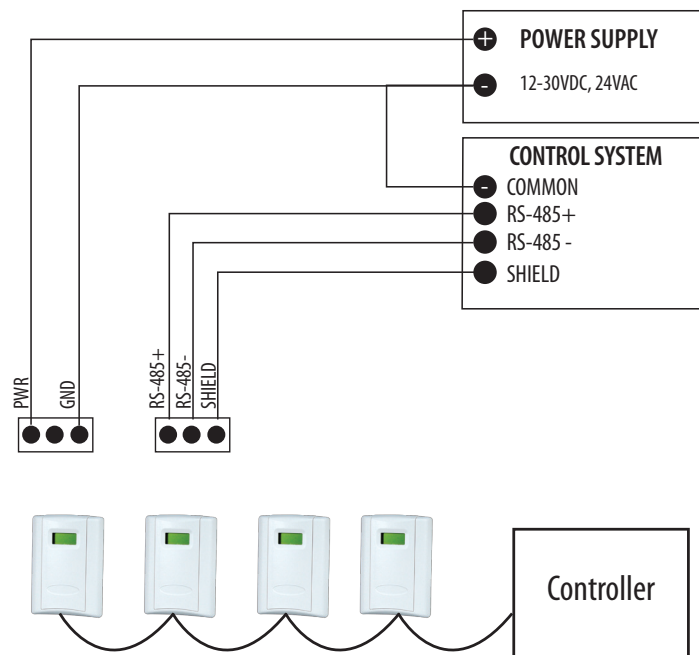
DESCRIPTION

TWLP Series features embedded BACnet & Modbus communication protocols, along with temperature sensing capability. The setpoint slider and pushbutton override options offer additional local input.

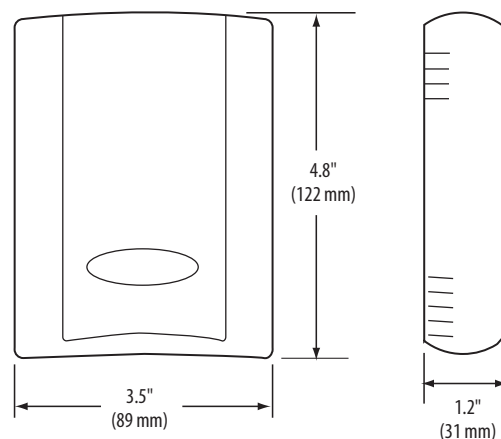
APPLICATIONS

- Temperature control in office buildings & schools with systems utilizing BACnet or Modbus protocol

WIRING DIAGRAM



DIMENSIONAL DRAWING



ORDERING INFORMATION



Local Display	Protocol	Temp. Cal. Cert.	Option	Housing
TW <input type="checkbox"/>	<input type="checkbox"/> P	<input type="checkbox"/> X	<input type="checkbox"/>	<input type="checkbox"/>
L = LCD X = No display	= Protocol	X = No 1 = 1 pt. cal. cert. 2 = 2 pt. cal. cert. 3 = 3 pt. cal. cert.	Blank = None 1 = Pushbutton override 2 = Set point slider 3 = Pushbutton override + set point slider	Blank = Cloud white B = Black

Example:

TW L P X X 1 3

ACCESSORIES

Handheld air quality testers (1010, 1008, 571C1, 597C1)
 Replacement covers for wall units (AA51, AA51B, AA52, AA52B)
 Replacement cloud white wall housing (AA55)



575C1



1008



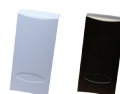
1010



597C1



AA55



AA51/AA51B



AA52/AA52B