

Q45 Temperature and Humidity Monitoring Solution

PARTS LIST

BANNER PARTS

- M12FTH4Q (25895) SureCross Temperature and Humidity Sensor
- DX80N2Q45TH (26123) SureCross Wireless Q45 Sensor Node
- DX80G2M6-B2T (88427) SureCross Gateway Board Module for a Wireless Q45 Temperature/Humidity Sensor Node

RED LION PARTS

- PAXDP010 (1871) Red Lion Dual Process Input Upgradeable Red Sunlight Readable Display
- PAXCDS10 (1858) Red Lion Dual Setpoint Relay Output Card

Any brand of display meter works for this configuration if the meter has a scalable 4 to 20 mA input for displaying temperature and/or humidity and an optional, adjustable-threshold, discrete output for controlling the red/green alarm light on the Wireless Q45 Sensor Node.

OVERVIEW

This solution uses the -B2T Gateway's two 4 to 20 mA outputs to monitor the Q45 Sensor Node's temperature and humidity inputs. The Gateway's discrete inputs control the LED alarm lights on the Q45 Sensor Node.

- Analog output A01 stores and displays relative humidity
- Analog output A02 stores and displays the temperature
- Discrete input DI1 (PNP) controls the red LED alarm light on the Wireless Q45 Sensor Node
- Discrete input DI2 (PNP) controls the green LED alarm light on the Wireless Q45 Sensor Node

See page 2 for the wiring diagram.



INSTALLATION INSTRUCTIONS

