FTX-910/610/310-PWR+R
Fiber Optic Temperature Transmitter

Medium Voltage Temperature Sensing

Real-Time Switchgear and Busbar Thermal Monitoring

OSENSA's FTX-910/610/310-PWR+R fiber optic temperature transmitters provide continuous real-time temperature monitoring of switchgear, busbars, and other medium voltage electrical equipment rated up to 38kV. Each transmitter accepts from three to nine optical fiber sensor inputs. The FTX-910/610/310-PWR+ transmitters are powered by 12~24VDC and include isolated RS-485 serial connectivity over industry standard Modbus RTU protocol. Multiple transmitters can be connected in series on a standard 35mm DIN rail with power and RS-485 communication supplied by the five-pin T-Bus connector. Also included are two programmable 2A relays for over-temperature alarms.

FTX-910-PWR+ Temperature Transmitter

Product Specifications

Model Name	FTX-910/610/310-PWR+R
Number of Channels	9/6/3
Relay Outputs	2 Amp, 250 VAC, 30 VDC
Digital Interface	Isolated RS-485
Measurement Range	-40°C to +200°C
Resolution	0.1°C
Measurement Accuracy	±1.0°C
Update rate	10 Hz per channel
Comm. Protocol	Modbus RTU, Half Duplex
Status Indication	3 Color Flashing and Solid LEDs
Operating Humidity	0 to 90% RH (Non-Condensing)
Operating Environment	-40°C to +65°C
Power	12-24 VDC (2.5W max)
Dimensions	70mm Tall x 22.5mm Wide x 90mm Long
Mounting	35mm DIN Rail
Configuration Software	OSENSAView or OSENSAView Pro
Product Compliance	CE, cULus

For use with the following OSENSA probes:

- PRB-110-5M-NC-L-TP2, PRB-110-10M-NC-L-TP2
- PRB-910-5M-NC-L, PRB-910-10M-NC-L
- PRB-910-5M-NC-L-TP2, PRB-910-10M-NC-L-TP2

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Specifications subject to change without notice.
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