

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+R Temperature Transmitter

TECHNICAL SUPPORT

OSENSA Innovations offers on-site support, commissioning, and training for all of its products. For immediate assistance with any technical issue, please contact support@osensa.com or call 1-888-732-0016.

WARRANTY INFORMATION

OSENSA Innovations stands behind its products and services. All fiber optic temperature probes and signal conditioners ship with a full one year repair or replacement warranty. You may also purchase an extended five year warranty. Some conditions apply.

CUSTOM OEM SOLUTIONS

OSENSA offers cost-effective design and consulting services at discounted rates for high-volume OEM customers. Let the engineering team at OSENSA Innovations help you rapidly develop custom probes for your process control application. OSENSA's team has many years of experience designing fiber optic temperature probes for various industrial environments.

FURTHER INFORMATION

For more information on any of our products or services please visit our website: www.osensa.com or email: info@osensa.com.



Product Specifications

Model Name	FTX-910/610/310-PWR+R
Number of Channels	9/6/3
Relay Outputs	Rated Current: 2A Max Switching Voltage: 250 VAC, 220 VDC Type: SPST-NO
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
Weight	90g
Mounting	35mm DIN Rail
Configuration Software	OSENSAVIEW or OSENSAVIEW Pro
Product Compliance	

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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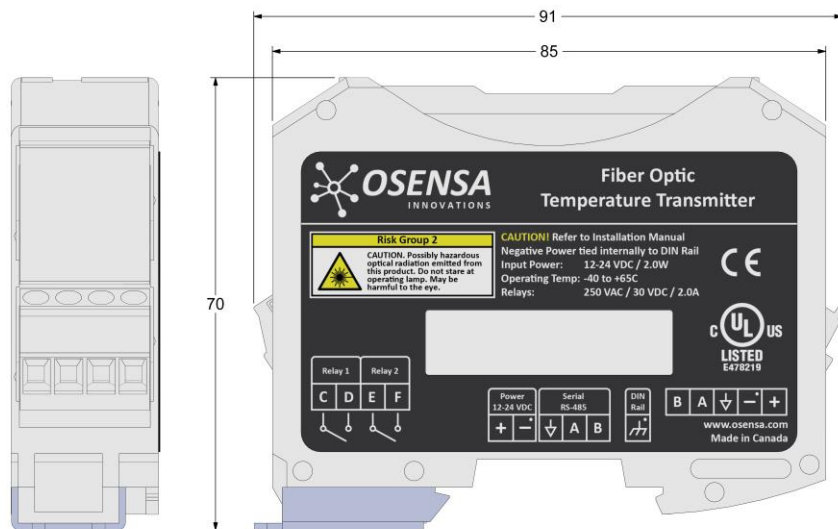
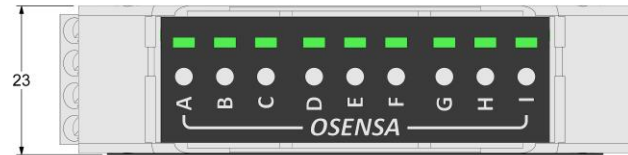
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Unless otherwise stated, units are in millimeters

Wiring Diagram

