

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

Medium Voltage Temperature Sensing

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.



FTX-910-PWR+R Temperature Transmitter

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. Optionally included are two programmable 2A relays for over-temperature alarms.

Product Specifications

Model Name	FTX-910/610/310-PWR+	FTX-910/610/310-PWR+R
Number of Channels	9 / 6 / 3	
Relay Outputs	No Relays	2x Form A, SPST, Normally Open Max Voltage / Current: 30 VDC / 2A
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/10M-NC-L-TP2
- PRB-910-5M/10M-NC-L-TP2
- PRB-110-5M/10M-NC-L, PRB-910-05M/10M-NC-L

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Product Dimensions

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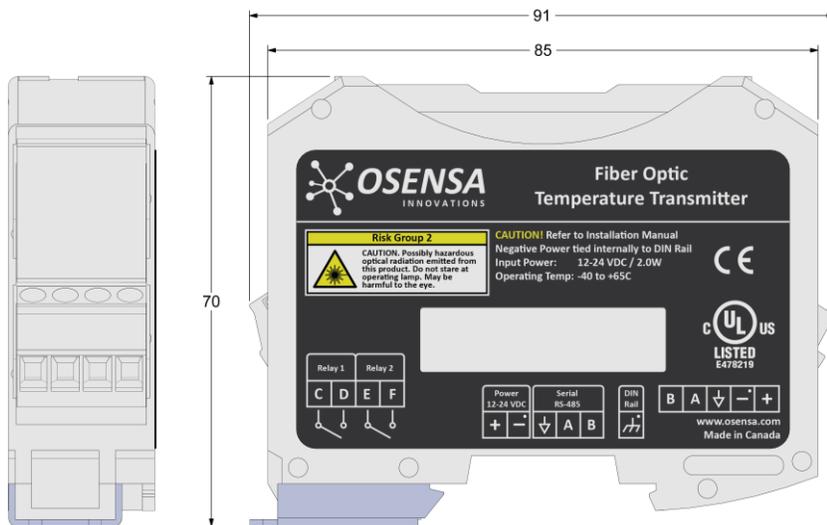
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Unless otherwise stated, units are in millimeters

Wiring Diagram

