

PTSPW2100 Wireless Receiving Module (18 Sensors)

Data Sheet

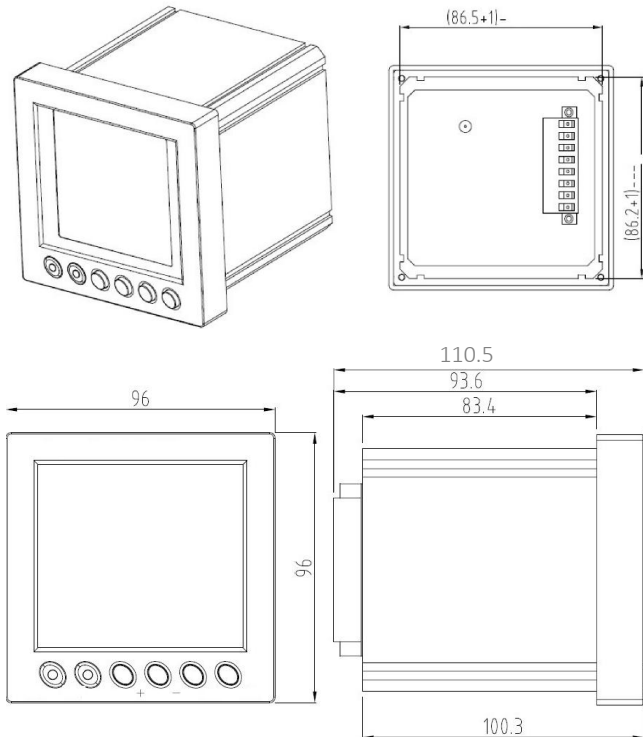


Product Overview

The PTSenR HMI Receiving Module (PTSPW2100) device is an ideal for company to wish to continuously thermally monitoring for various high and low voltage electric power switch cabinet, breakers and switches, joints of high voltage cables, dry transformers, and large current cabinet connection point site due to material aging, poor contact, current overload, and other factors caused by excessive temperature rise there is a hidden problem, cannot monitor the electrical equipment internally. Wireless temperature measurement system is a kind of temperature measurement system which is accurate, reliable and easy to install. It uses advanced and mature sensing technology and unique advanced wireless communication technology for high voltage isolation and signal transmission and uses its inherent insulation and anti-electromagnetic interference performance, fundamentally solves the difficult problem of temperature monitoring of high-voltage static and dynamic contacts when they are running. The wireless temperature receiving terminal is specially developed for the use of our company's wireless products. It is mainly used for the networking of our company's wireless temperature sensor products.

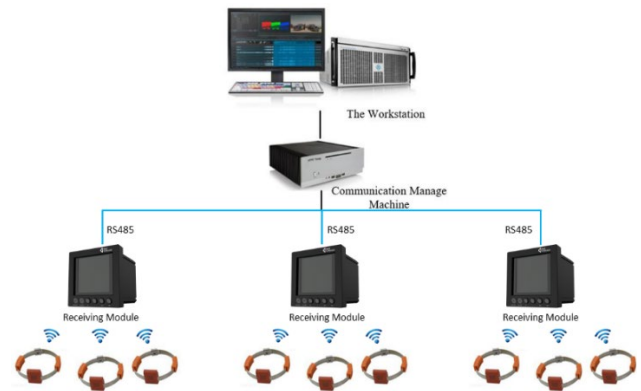
The PTSPW2100 is a simple and easy-to-use interface to display the receiving temperature value in real time as well providing one relay contact alarm and RS485 communication allow for connection to a BMS or SCADA systems. Is suitable for both new build and retro-fit.

Dimensions

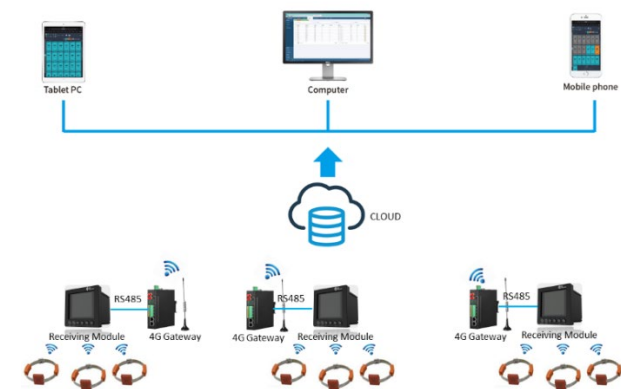


The System Architecture

Local BMS/SCADA/DCIM



CLOUD storage with remote monitoring



Specification

Power Supply Input Voltage	AC200V ±20%, DC110V / 220V
Maximum Power Consumption	≤3W
Wireless Operating Bandwidth	433MHz (Zigbee)
Wireless Reception Sensitivity	-110dBm
Wireless Receiving Distance	0.4 ~ 200meter
Communication Output	RS485
RS 485 Communication Distance	<1200m
Alarm of outputs	Relay output
Output relay	AC220V, 3A
Communication Rate	2400 ~ 9600 bps (Default 2400bps)
Communication Protocol	Standard Modbus-RTU protocol
Max number of sensors	18 pcs

Display Screen

Graphic Display Screen LCD Type	LCD display (FSTN)
Viewing area	3.5 inch
Illumination backlight	White LED
Resolution Ratio	160 x 160

Miscellaneous

Dimensions Size	105 x 96 x 96 (mm)
Mounting cut-out	86.5 x 86.5 (mm)
Weight	0.40 (kgs)
Operation Temperature	-20°C ~ 70°C
Relative Humidity (RH)	≤95%RH (non-condensing)
Storage Temperature	-20°C ~ 70°C
Mounting method	Embedded

Certification	CE – EN 61000-6-2:2005+AC; 2014/35/EU LOW VOLTAGE DIRECTIVE; 2014/30/EU ELECTROMAGNETIC COMPATIBILITY DIRECTIVE
	EN 61000-6-4:2007+A1:2011; EN 62368-1:2014+A11:2017

Ordering Information

Part Number	Product Description
PTSPW2100	PTSenR Wireless Receiving Module

