

Product Overview

The PTSenR HMI Receiving Module (PTSPW2000F) device is an ideal for company to wish to continuously thermally monitoring for electric power, electrical equipment 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. The PTSPW2000F design adopts ultra-low power Zigbee Green Protocol design, RF wireless isolation, photoelectric isolation technology, with complete isolation, strong anti-jamming ability, reliable operation, easy installation and so on, very good solution to the high voltage state of various data monitoring problems.

The PTSPW2000F HMI provide complete integral monitoring solutions for a variety of high and low voltage switch cabinet contacts and contacts, gate switches, high-voltage cable middle head, dry transformers, low-voltage high-current cabinet and other electrical equipment online monitoring. Is suitable for both new build and retro-fit.

A simple to use, using the pre-configured screens, provides an easy-to-use graphical interface to indicates the status of all sensors, as well providing a set relay contact and two RS485 points, allow for connection to a BMS or SCADA systems.

Specification

Power Supply Input Voltage	AC85 ~ 264V DC110V / 220V
Maximum Power Consumption	≤5W
Wireless Operating Bandwidth	433MHz /2.4Ghz (Zigbee)
Wireless Reception Sensitivity	-110dBm
Wireless Receiving Distance	0.4 ~ 300meter
Communication Output	RS485, Ethernet, GPRS
Alarm of outputs	Built-in buzzer, relay output, temperature value font colour changes
Output relay	1 Passive Relay (Dry Contact)
Communication Rate	2400 ~ 115200 bps (Default 9600bps)
Communication Protocol	Standard Modbus-RTU protocol
Max numbers of sensors	1,000 Temperature, 100 Humidity

Graphic Display Screen

Graphic Display Screen LCD Type	WQVGA Colour TFT, LCD display
Viewing area	7-inch / 10-inch
Illumination backlight	White LED, software-controlled
Colours	65,536 (16bits)
Touchscreen	Resistive, analog
Virtual Keypad	Display virtual keyboard when the application requires data entry

Miscellaneous

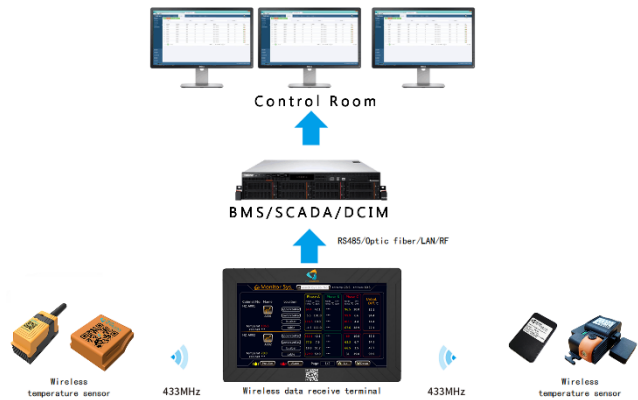
Battery Back-up	Via Super-Cap and RTC and system data
Dimensions Size	7-inch: 210 x 140 x 49 (mm) 10-inch: 267 x 170 x 56 (mm)
Mounting cut-out	7-inch: 201 x 131 x 45 (mm) 10-inch: 201 x 131 x 45 (mm)
Weight	7-inch: 0.62 (kgs) / 10-inch: 0.9 (kgs)
Operation Temperature	-20°C ~ 70°C
Relative Humidity (RH)	≤95%RH (non-condensing)
Storage Temperature	-20°C ~ 85°C
Mounting method	Rail, Embedded, Wall-Mounted
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

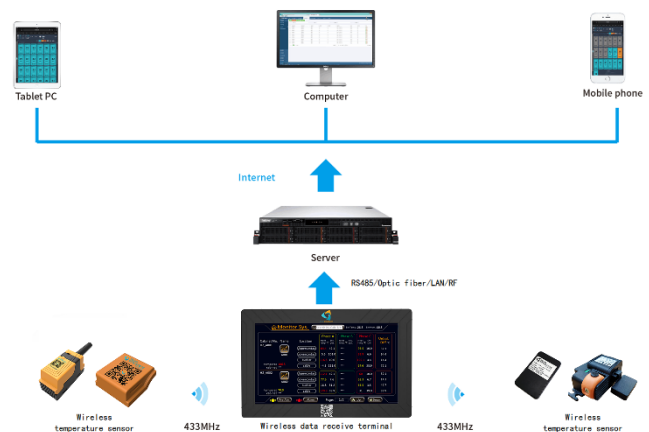
Part Number	Product Description
PTSPW2000F	PTSenR HMI Receiving Module

The System Architecture

Local BMS/SCADA/DCIM



Standalone Server with remote monitoring



CLOUD storage with remote monitoring

