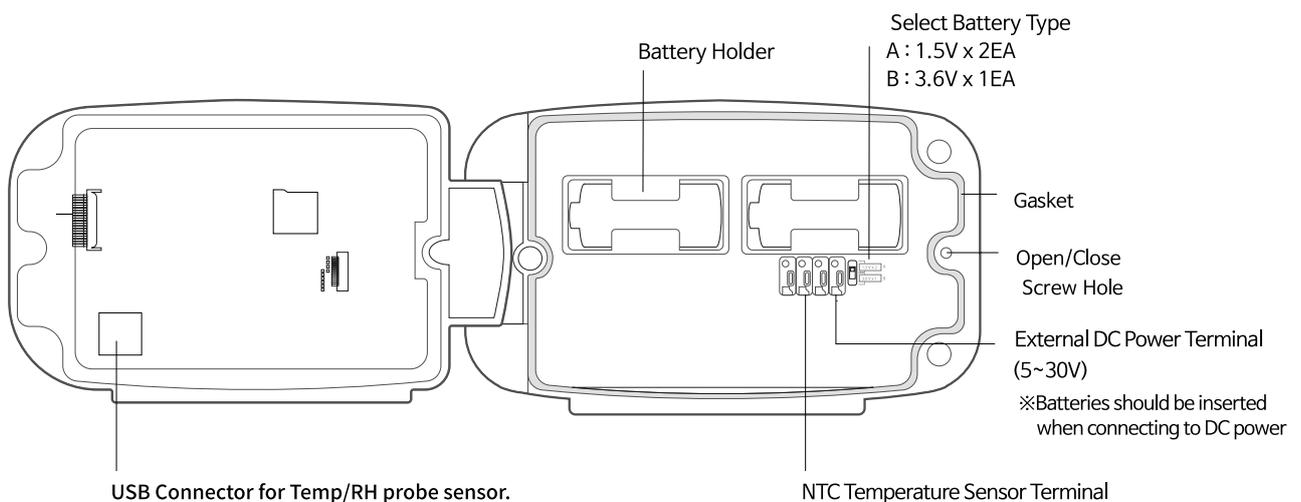# RN400-T2PS

- WiFi support b/g/n 2.4GHz
- NTC Temperature Probe Input
- High Accurate Temp/RH Probe Input
- Cloud Storage / HTTP Output via WiFi
- C Type Battery / DC 5~30V
- OLED Display / micro SD / Backup

RN400-T2PS is designed to measure NTC Temperature sensor signal and Temp/RH sensor data. It transfers them to the destination via WiFi connection. The destination would be an information system such as public cloud, local server, and even PC. It operates with battery power and has a protective gasket for various industrial sites. Premium RN400 T2 series have IP65 for protection, OLED screen for cold outdoor, F-RAM memory for instant backup and micro-SD card for CSV backup.
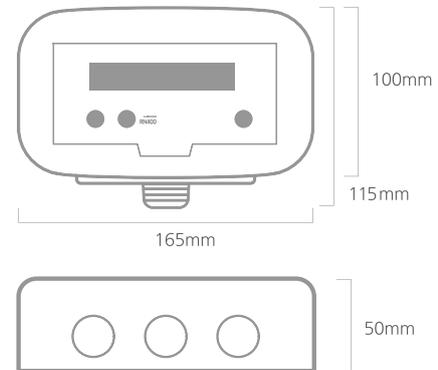
Hardware

Battery Holder

Select Battery Type
A : 1.5V x 2EA
B : 3.6V x 1EA

Gasket

Open/Close
Screw Hole

External DC Power Terminal
(5~30V)

※Batteries should be inserted
when connecting to DC power

USB Connector for Temp/RH probe sensor.

NTC Temperature Sensor Terminal

NTC Temperature Data Logger via WiFi

RN400-T2PS Specifications

Communication Method	• 2.4GHz IEEE 802.11 b/g/n up to WPA2-Enterprise • HTTP Get/Post (Radionode V2 Protocol)
External Temp Sensor Input	• CH1 : NTC Temp I/F • Measurement Range : -40 ~ 60℃ • Temp. Accuracy : ±0.8℃ (typical)
External Temp/RH Input	• CH2 : Temp • CH3 : RH **RG20 Temp/RH Probe is optional product**
Operating Condition	-20℃ ~ 60 ℃ (-4 ~ 140°F) / 0 ~ 95 %RH (non-condensing)
Buzzer	YES
Display Type(color)	OLED 20X2 CHAR (Yellow or White)
Sensing Interval	10secs, 1min, 5mins, 10mins, 20mins, 30mins **10 Seconds Mode is supported when customer server mode**
Sending Interval	10secs, 30secs, 60secs, 5mins,10mins, 20mins, 30mins, 40mins, 60mins **10 Seconds Mode is supported when customer server mode**
Internal Memory	32KByte F-RAM (Automatic Sample Backup available when no wifi) **1,930 Samples /CH**
External Memory	Option(16GB microSD, permanent logging)
Battery / Life Span	C Type 1.5V X 2EA OR C Type 3.6V X 1EA / a year with 1.5V X 2EA @ 10min sensing **-sleep: 36uW** **-measuring: 84mW** **-wifi : 400mW**
Protection	IP65
External Power / UPS	DC 5~30V / YES (When DC Power Shutdown, the source is changed into the Battery immediately)
How To Setup	• WiFi setup & operation mode : using a web browser. • Sensor Calibration : using the keypad on RN400.
Wall Mount Types	Magnet & Screw Hole
Weight	352 g

Dimensions

100mm
115mm
165mm
50mm

Application

• Food storage sites(refrigerators, freezers)
• Bio-labs
• Building energy usage monitoring

Product Components

• RN400-T2PS NTC Temp Data logger
• 2 Type Cable Glands (PG9 1EA/ PG11 2EA)

Optional Accessories

Type	Model	Length	Spec
12V DC Power Adaptor	AP-P1	3 M	12V 500mA
NTC Temp Sensor	PR-N1-20	20cm	Diameter: 6.4 ø, Length: 60.0mm
NTC Temp Sensor	PR-N1-150	1.5 M	Diameter: 6.4 ø, Length: 60.0mm
High Accurate Temp/RH Sensor	RG20	-	Temp: -40~80℃(± 0.1 ℃) RH: 5~95%RH(± 1.5 %RH)

Contact Information

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