INTELLIGENCE

Freezer/Refrigerator Monitoring System

INTELLIGENCE
Model TH-152W
WIFI Room Temperature/Humidity
Monitoring Unit with 4-20 mA Output

The INTELLIGENCE TH152W is an Stand Alone WiFi Web Server Room Temperature/Humidity Monitoring and Alarm Module that gives an integrated system solution for monitoring room temperature/humidity in the facility. The module can be integrated with other INTELLIGENCE field modules through TCP/IP Network Protocol for a wide range of facility monitoring/control function, such as; room temperature/humidity monitoring or electrical sub metering through a software configuration.

Features

- **Temperaure (0-50 C.) Humidity (0-100%)**

- **1 x 4-20 mA Freezer Room Temperature Output**

  1 x Form A Alarm Relay Output

- **WLAN Built-in**
- **Send Alarm Messages via LINE/Email Notification**

- **Built-in Data Logger**
- **Back Up Rechargable Battary Built-in**

- **Remote Monitoring Feature via IOT Cloud**

- **Integrated With All Intelligence Field-Controller**

Outputs

The TH-152W provides one 4-20mA Room Temperature and one alarm relay Outputs which can be used to interface to SCADA system.

Alarm Notification

The TH152W provides a built-in LINE/Email Notification feature to notify the operator In case of the current temperature of the unit rises above or fall below the preset limit, freezer door left to be too long open or power supply failure.

Historical Data Record

The TH-152W provides a built-in SD card for recording the historical data up to 1 year and the past room temperatures/Humidity with the time and date can be automatically recorded and stored as a files and can be exported in a CSV or Excel format.
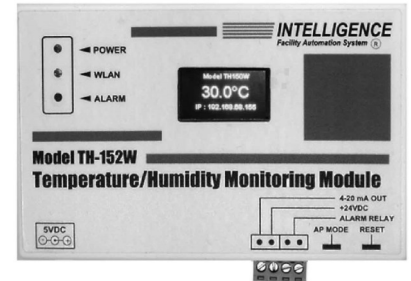
Cloud Based Real Time Monitoring

The TH-152W provides the remote monitoring feature that allows the user is able to monitor Real time room temperature/humidity remotely over the mobile phone through IOT cloud based.

Specifications

Power	5VDC
Back up Battery	Rechargeable Litium-Polymer
Display:	OLED 128x64
Real Time Clock:	Built-in RTC with back up battery
Measuring Range:	Temperature 0-50 C. Humidity 0-100%
Outputs: Temperature Deg.C)	1 x 4-20mA Output (-200 to 50 1 x Form A Alarm Relay
Communications	WLAN
Alarm Notify: Notification	via LINE/Email (Built -in)
Data Logger :	1 Year Data Historical Data Record
Protocol Support:	MODBUS TCP MQTT

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