THC-1104-FDD

ADVANCE FALLING DOWN DETECTOR (TMS PLUS SERIES)

Package Content

① THC-1104-FDD x 1 ② Power Adapter x 1 ③ Screws x 4
④ Wall Anchors x 2 ⑤ User Manual x 1
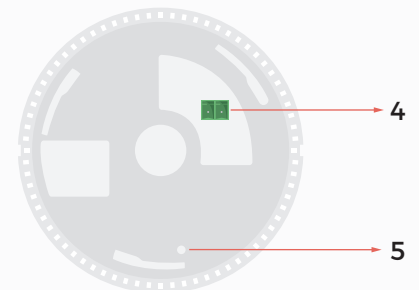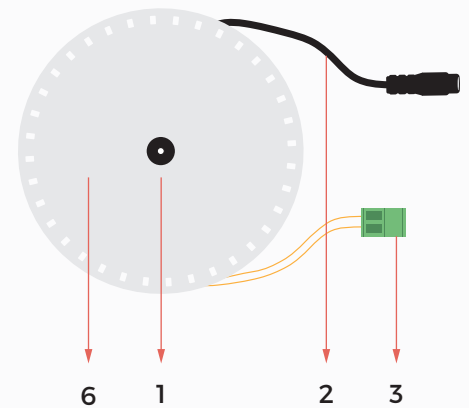
Friendtrol Technologies, Inc

FEATURES

· Support Wifi2.4GHz 802.11 b/g/n
· 110° x 75° Wide angle Field of View
· Thermal Wave (32 x 24 Temperature matrix)
· Additionally equip with distance detector to improve accuracy
· Privacy Protection/ Hack proof
· Detect the falling down to reduce the following risk
· Countable period of falling down
· Able to detect the unusual high temperature
· Send the results directly to other devices via RS-485
· No need of edge computing controller

SPECIFICATION I/O INTERFACE

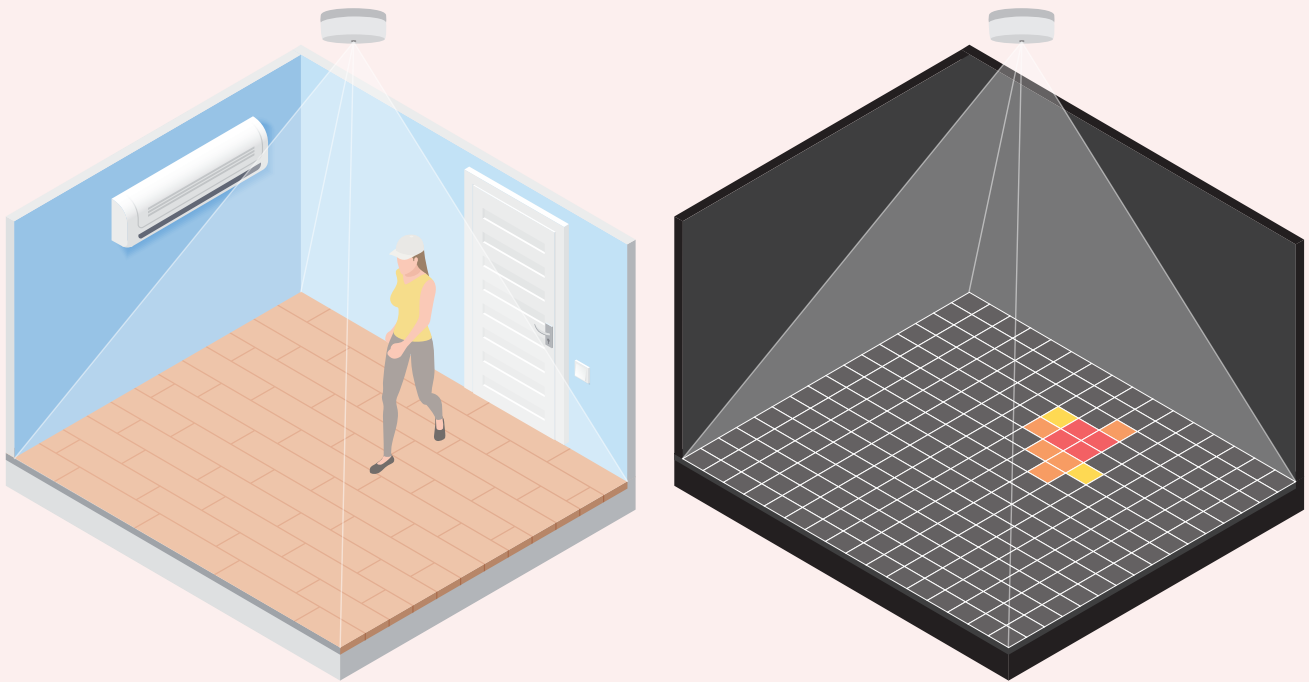|	
Thermal Sensor Field of View (FOV)	110°x75°
Thermal Sensor Detection Resolution	32x24 pixels
Detection Temperature Range	-40°C ~ 300°C (-40°F ~ 572°F)
Embedded SD card	16GB
Screws	4 pcs
Wall Anchors	2pcs
Distance Detection	24GHz mm WAVE

OTHERS

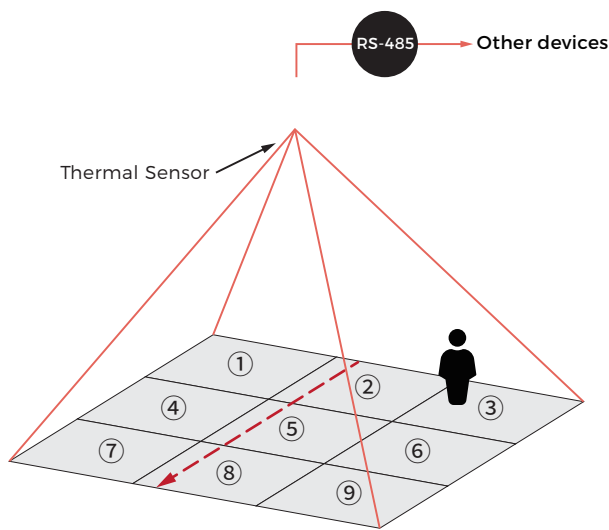|	
Power Adapter	12V 1A
Power Consumption	Up to 3W
Operating Temperature	-20°C to 75°C (4°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Atmosphere Transmission Correction	Auto
Enclosure	Plastic
Weight	250g
Device Dimension	110x 110x 25mm (4.3x 4.3x 1 inches)
Encryption	AES256
Frequency	4 fps

6   1   2   3

4

5

1) Power Input
Connect to power supply (pigtail)

2) Thermal Sensor
To detect the 32x24 thermal grids

3) RS-485 Serial Port
Connect to other devices with RS-485

4) Power Input
Connect to power supply
(phoenix connector)

5) Button
To reset the system

6) Distance Senor
To detect the distance of the object

TECHNOLOGY

Based on thermal image to analyze and identify emergency situation

APPLICATION

RS-485 → Other devices

Thermal Sensor

Event	Example	Note
1	3 1	right to left
2	4 9	left to right
3	2 8	front to back
4	7 3	back to front/ left to right
5	one person in area 3	one person in specific area
6	environment temperature	to know the temperature

SUPPORT

1) Calibration Available

2) Sensitivity Adjustment

3) Event Setup

4) Provide Temperature data every 10 minutes.

5) Provide RWD Setting Page