

THC-1103-DRT

DIRECTION DETECTOR (TMS LITE SERIES)



Package Content

- ① THC-1103-DRT 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

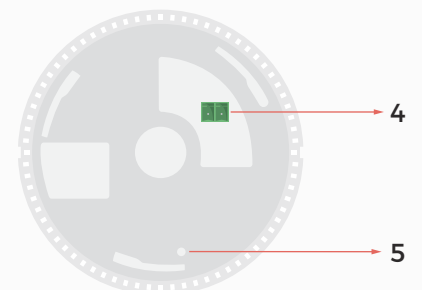
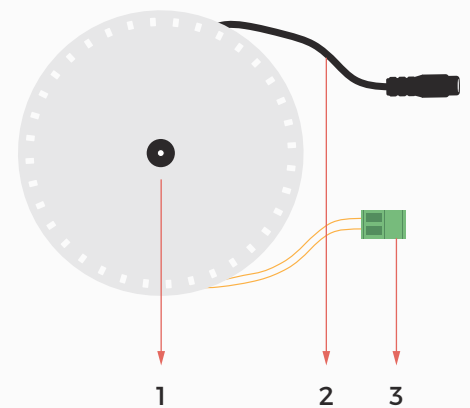
- 110° x 75° Wide angle Field of View
- Thermal Wave (32 x 24 Temperature matrix)
- Privacy Protection/ Hack proof
- Detect moving direction (forward, backward, rightward, leftward)
- Enable to count people numbers
- Detect people inside the detection area or not
- No thermal images
- Send the results directly to other devices
- No need of edge computing controller
- Connect other devices through RS-485
- Provide API for connecting other services/ devices

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

OTHERS

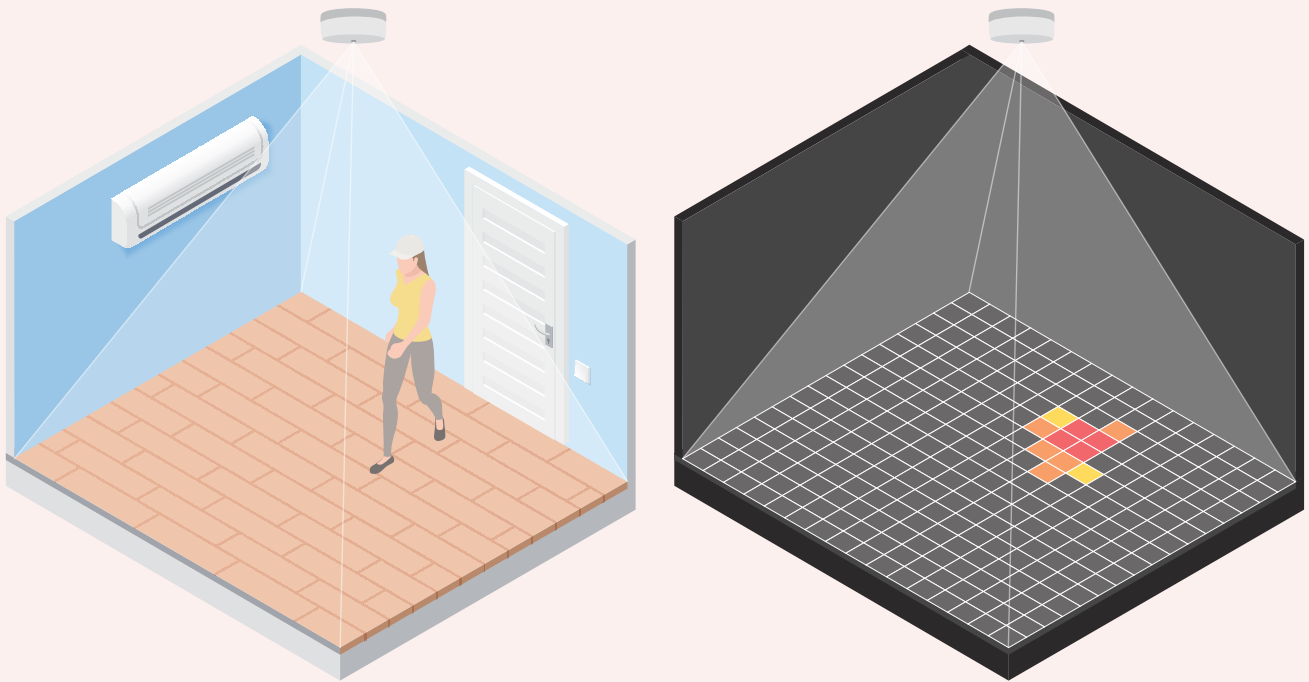
Power Adapter	12V 1A
Power Consumption	Up to 3W
Operating Temperature	-20°C to 75°C (4°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Atmosphere Transmission Correction	Auto
Enclosure	Plastic
Weight	250g
Device Dimension	110x 110x 25mm (4.3x 4.3x 1 inches)
Encryption	AES256Operation
Frequency	4 fps



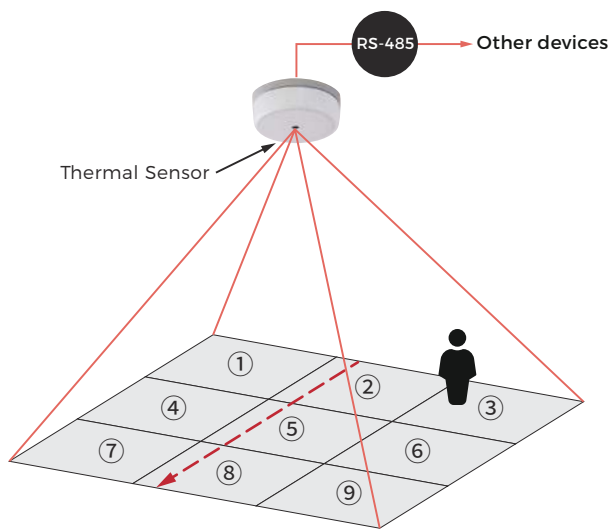
- 1) Power Input
Connect to power supply (pigtail)
- 2) Thermal Sensor
To detect the 32x24 thermal grids
- 3) RS-485 Serial Port
Connect to other devices with RS-485
- 4) Power Input
Connect to power supply (phoenix connector)
- 5) Button
To reset the system

TECHNOLOGY

Based on thermal image to analyze and identify emergency situation



APPLICATION



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

