DT sensor

L4275 HS4275
N4275 HC4275
NT4275 HD4275

Description

Flush-mounted double technology movement detection sensor (PIR+MW).
It is available in the following BTicino finishes:
- L4275 LIVINGLIGHT anthracite
- N4275 LIVINGLIGHT white
- NT4275 LIVINGLIGHT tech
- HS4275 AXOLUTE anthracite
- HC4275 AXOLUTE tech
- HD4275 AXOLUTE white

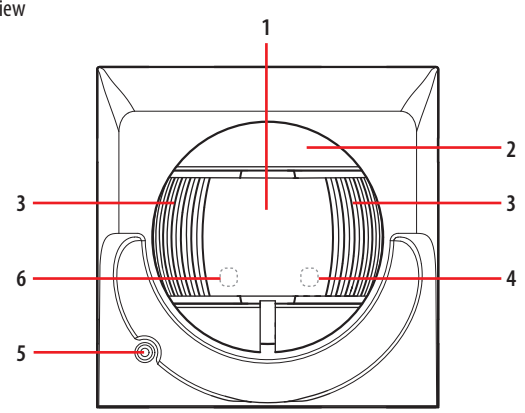
Technical data

IR sensor	digital double component pyrolectric
Supply voltage	10 – 15 Vdc
Absorption	29 mA Stand-by; 35 mA max at 12 Vdc
Alarm relay	solid state, 100mA/35V contact protection resistance 4.7Ω
Microwave operating frequency	24 GHz - ISM band
White light immunity	>10000 lux
IR and MW sensitivity	5 selectable levels (covering min. 4m; max. 8m)
Operating temperature	(0) – (+ 50) °C
IP index	40

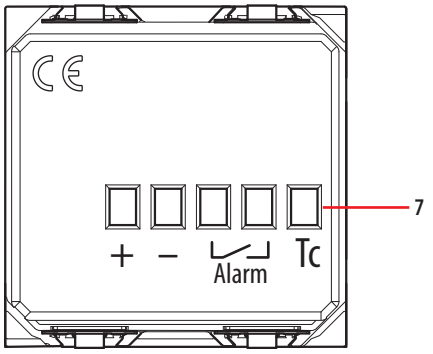
Dimensional data

Size: 2 flush mounted modules

Front view



Rear view

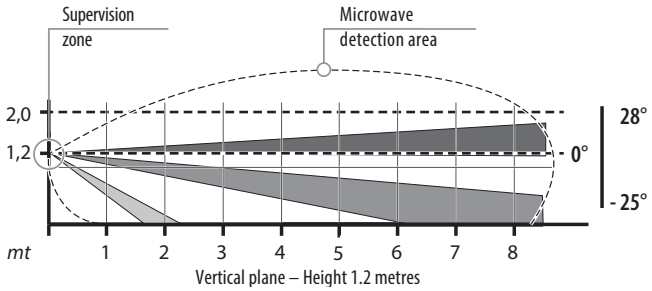


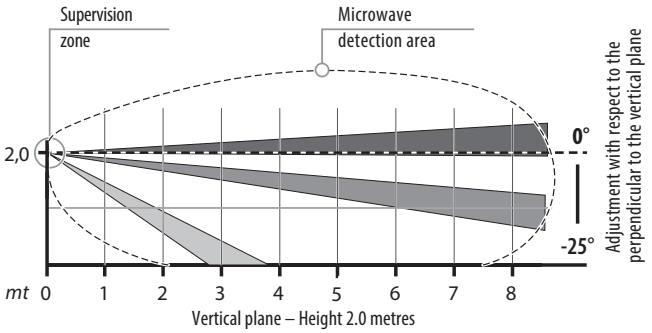
Legend

1. Fresnel lens
2. Adjustable lens bulb
3. Angle of coverage adjustment blinkers
4. Blue LED - microwave detection
5. Red LED - alarm notification and programming pushbutton
6. Green LED - infrared detection
7. Connection clamps

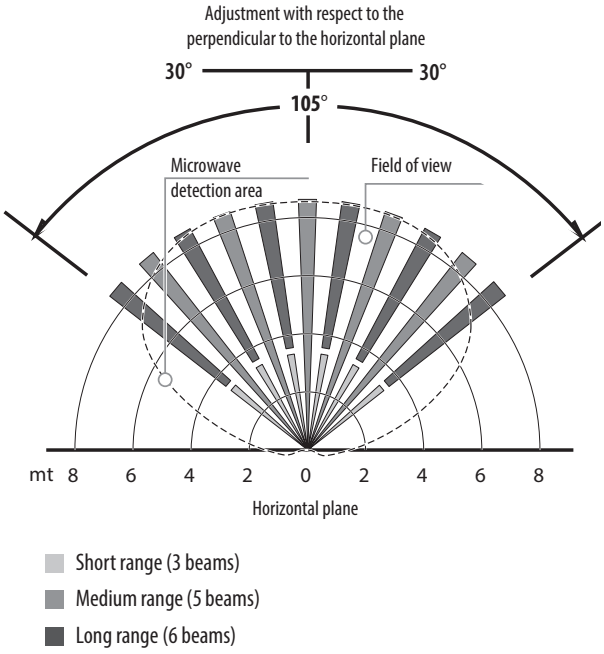
Technical specifications

Covering diagram side view in metres





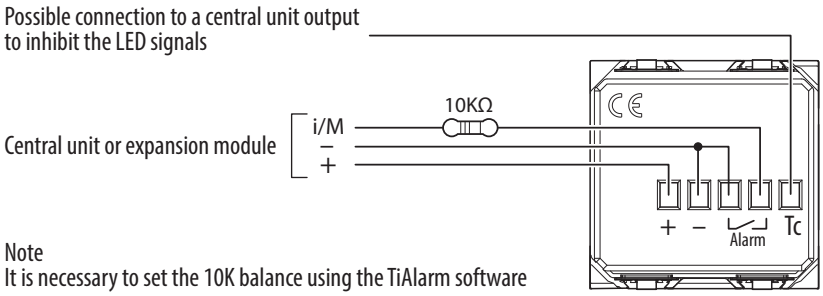
Covering diagram upper view in metres



Sensor 4275 is designed to be installed at heights between 1.2 and 2 metres on vertical walls.
The detection areas are measured with open blinkers and adjustable lens bulb positioned vertically (see point 1 Description chapter).
Coverage test (walk test).
After the sensor is installed check that its radius of action covers the area required. To do this keep the signal LED enabled.

Connections between the central unit and the other devices

The system devices communicate each other via BUS.
A twisted and shielded 2-pair multi-polar wire should be used for the connection between the central unit and the system devices.
Rigorously respect the regulations of the country of use.



Note
It is necessary to set the 10K balance using the TiAlarm software

Warning:
- the wall temperature must be similar to the wall or floor temperature of the monitored area;
- the sensor is oriented away from windows and/or reflected sunlight;
- the sensor is oriented away from heat sources or hot/cold air emission points;
- the output of the IR sensor is strongly influenced by its orientation;
- avoid the detection areas being superimposed;
- close the holes of the corrugated pipes in the flush-mounting box to avoid the formation of air currents which could cause false alarms;
- the glass hampers the view of the DFIR sensor; the metal blocks the view of the microwave sensor.
- do not obscure the detector field of vision partially or completely.