

# IS25100TC



## Microcontroller Based PIR long range sensor

Honeywell's new IS2500 series consists of a complete range of easy-to-install motion sensors featuring reliable detection.

We further improved the catch performance and false alarm immunity to maximise reliability. This fully featured IS25100TC offers a few features more compared to the IS2500T series.

First of all it has a remote LED enable input so you can activate the LED with a simple command from the control panel.

Furthermore, it offers alarm memory which, in combination with the arm/disarm input offer the possibility to indicate an alarm after the system was disarmed. And last but not least: This sensor conforms to European standards EN 50131-1 and TS 50141-2-2 Grade 2 Environmental Class II. Sleek and attractive, all IS2500 sensors share the same family look.

## Features:

- Range: 30 x 6m (25 x 5 m) in TS50131-2-2 and T014 installations)
- Global compliance: meets many of the world motion sensor standards including the European TS 50131-2-2 Grade 2, Class II
- Fully featured version: include remote LED enable and an alarm memory
- Easy installation: 45° terminal blocks, EOL terminals
- Automatic walktest
- Selectable sensitivity: 4 settings to adapt to the environment
- Flexible mountings: wall and corner mount breakout holes available. Or use the SMB10 bracket range (swivel, ceiling, tampered)
- False alarm immunity: designed to meet tough false alarm standards. A microprocessor helps to separate false alarms from real alarms
- Advanced Dual slope temperature compensation
- Large wiring channel on back to allow surface wiring
- Sabotage-resistant lens design
- Patented look-down mirror provides optimum detection directly beneath the sensor
- Tamper switch: Is activated before access is possible
- White Light Immunity of minimum 6500 Lux reduces the chance of false activation
- Bug guard prevents insects to access the sensor optics which reduces the chance of false activation
- Silent relay allows it to be used in quiet environments

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### Specifications

Detection method	Dual element passive infrared
Range	passive 30m x 6m (25 x 5m in TS50131-2-2 and T014 installations)
PIR sensitivity	Lowest (3-5 steps), Low (2-4 steps), Medium (1-3 Steps and high (1-2 steps)
Mounting height	2.3m to 2.7m
Power requirements	8.5-15.4Vdc, 21mA @ 12Vdc
Alarm relay	Form C / 30 mA @24 Vdc, Max. 40 Ohm protective resistor
Tamper switch	30mA @24 Vdc
Operating temperature	-10° to + 55°C
Temperature compensation	Advanced dual scope
Relative humidity	5% - 95% non condensing
RF Immunity	30 V/m from 10 to 1000 MHz
WLI	More than 6500 Lux
Dimensions	112 x 60 x 40mm (H x W x D)
Weight	87gr
Includes	Mounting Hardware, Lens masking, look down mask

Honeywell reserves the right to alter the specification of products without prior notice

### Ordering:

#### IS25100TC

30m PIR motion sensor

### Find out more:

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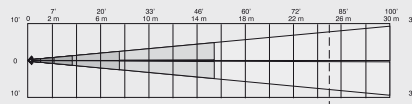
[www.honeywell.com](http://www.honeywell.com)

### Agency Listings:

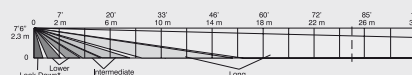
- EN50131-1 and TS50131-2-2 Grade 2, Class II
- CE

### Detection patterns:

#### • Top View



#### • Side View



Dotted line: detection range for  
TS50131-2-2 et T014

### Accessories:



#### SMB10

White swivel mount  
bracket (5 pack)



#### SMB10C

White ceiling mount  
bracket (5 pack))



#### SMB10T

Tampered white swivel  
mount bracket (5 pack)

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