Motion sensor

Passive infrared detector



Model number:	**IR-580-IQ**
Connects to:	LC-10-IQ inputs
Mounting:	On wall / Ceiling
Dimensions:	100 × 60 × 42 mm

Applications

- Motion detector
- Ready light motion detector
- Intrusion detector

Features

- Ceiling / wall mount
- Excellent RFI and EMI protections
- Built-in temperature compensation
- Double noise reduction circuit
- Sealed optics mechanism design
- Disabled blue light walk test LED
- Adjustable range at various height

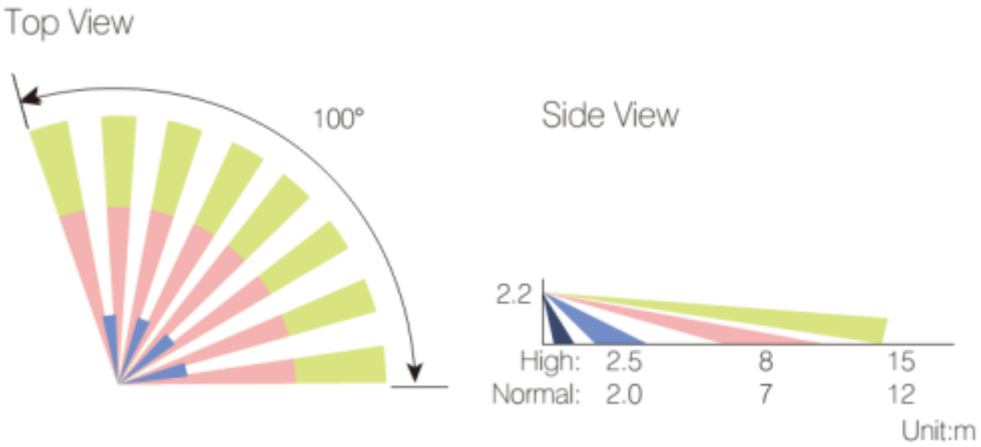
General description

IR-580-IQ is a passive infrared detector with sleek and compact housing. It delivers many advanced features and aesthetical appearance required by security professionals. The IR-580 provides typical wide angle detection for general areas.

Installation instruction

- Do not install the detector at position which faces direct or reflected sunlight or near windows with direct car headlight.
- Ensure that there are no obstructions (plants, screens, furniture etc.) in the field of view that may cause incorrect cover/operation of the detector.
- Avoid locating the detector in areas that contain equipment that may change the environment temperature rapidly (i.e. above radiator or under the air-conditioner)
- Install the detector at proper height on a rigid surface. Do not install the detector on vibrating surface.
- PIR detector is more sensitive to the motions “across” the detection zones than “toward” or “away” the unit.

Detection pattern



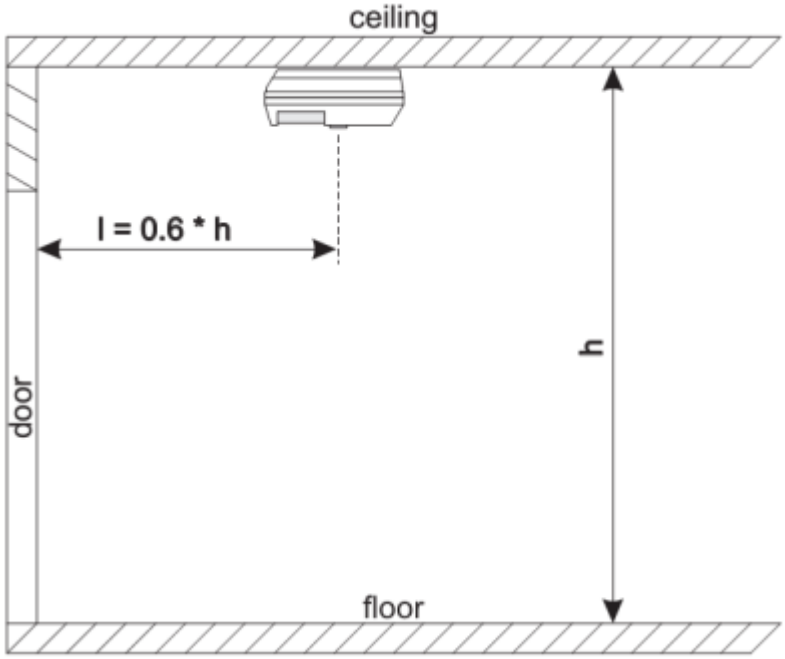
Range adjustment

M/H	1,8 m	2,0 m	2,2 m	2,4 m	2,6 m	2,8 m	3,0 m
B/P	Maximum detection coverage [m]						
+2	15	15	15	15	15	12	15
+1	15	15	15	15	13	15	15
0	15	15	15	15	15	15	15
-1	14	15	15	15	15	15	15
-2	13	14	14	15	15	15	14

M/H	1,8 m	2,0 m	2,2 m	2,4 m	2,6 m	2,8 m	3,0 m
-3	10	11	12	14	13	14	9
-4	8	9	11	11	12	13	8

M/H	*Mounting Height*
B/P	*PCB Position*

Ceiling mounting

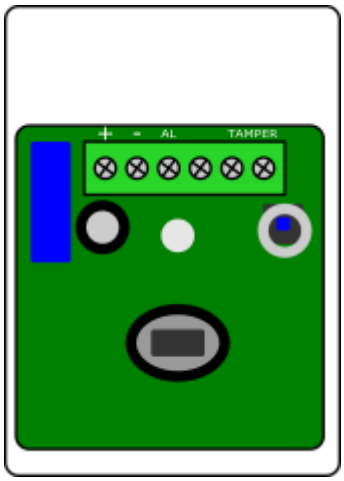


Technical specifications

Power supply	24 VDC
Current drain	10 mA
Output timer	OFF (no delay)
Output	OC NPN transistor, 10mA, 30V max
	NC/NO selectable (default:NO)
Detection range	100° wide, 15m @ 25°C (adjustable)
Pulse count	2/3 selectable
LED indication	blue; enabled/disabled selectable (default:disabled)
RFI immunity	Ave. 25 V/m (10 ~ 1000 MHz)
Temperature	-20°C ~ 60°C
Dimensions	100 x 60 x 42mm

Terminals

Power supply	**+**	Power supply
	-	
HIQ digital input	**AL**	Digital output



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