Smart Scan MKII Occupancy Sensor
360 degree, Ceiling Mount, High Definition PIR (HDIR™)

www.diginet.net.au

Range

DGSMARTSCAN1HD

Overview

The presence sensor package consists of two items; a 360 degree high definition passive infrared (HDIR™) sensor head and a control/relay module.

The sensor head is recessed into ceilings and has a low profile trim and opaque dome lens for sensing movement across short and long range plus ambient light level. Adjustment sliders for time and light level are discreetly hidden in the patented sensor head which pops out providing configuration after installation without any tools.

The control module, which switches the loads, are slim line and easily fit into the ceiling space through the sensor head aperture.

Designed for both minor and major movement, the sensor head has 864 fields of view (FOV) ensuring reliable operation up to 7m diameter in different applications (e.g. office or corridor installations). Time delay range is 5 min to 25 min plus a walk test setting of 5 seconds.

Features

High sensitivity 360˚ detection array designed for both minor and major movement applications

Unobtrusive, 60mm diameter flush-mount design

Integrated light level detector to inhibit switch-on if there is sufficient natural light available

Hidden yet easily accessible sensor head adjustment controls for time-out and light level adjustment

Rated at 16A for switching inductive/capacitive loads

Includes a switch input that allows for manual override off control

Typical Applications

Cellular offices
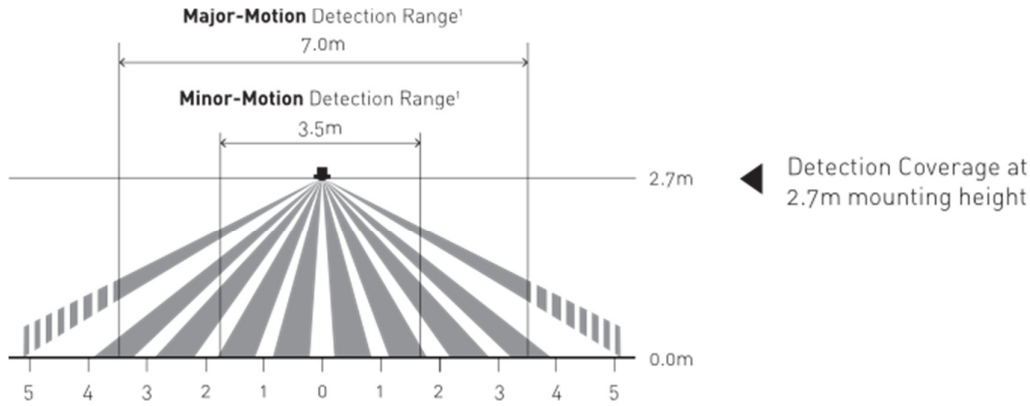Open plan offices

Meeting rooms
Corridors

Classrooms
Toilets

Sensor Detection Range

Major-Motion Detection Range[1]
7.0m

Minor-Motion Detection Range[1]
3.5m

2.7m

Detection Coverage at
2.7m mounting height

0.0m

5 4 3 2 1 0 1 2 3 4 5

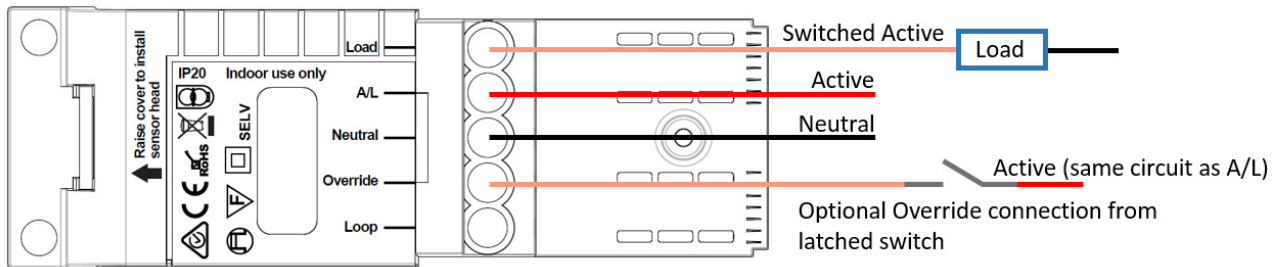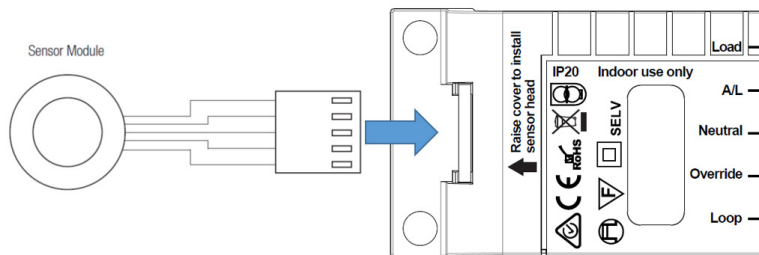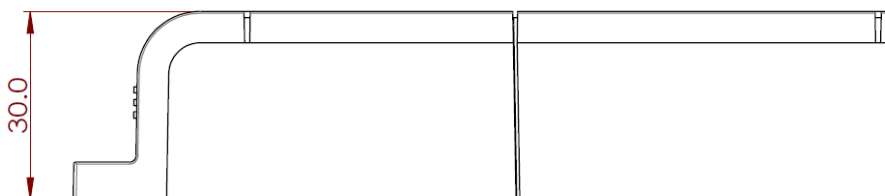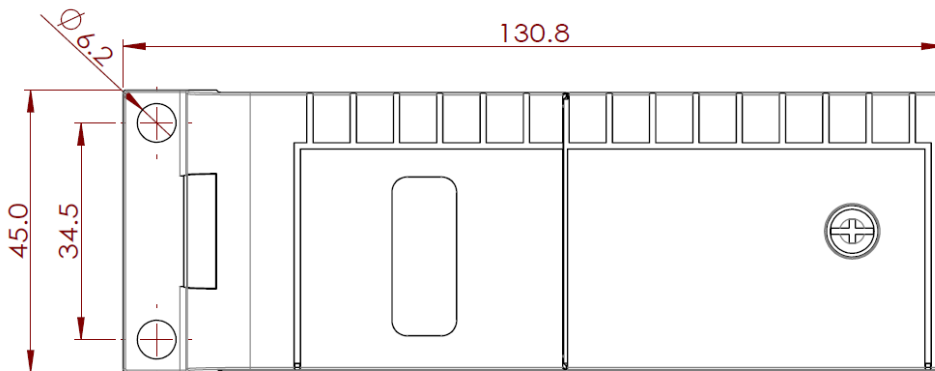[1] As defined by NEMA Standard WD 7 - 2011 for Occupancy Motion Sensors

Connections

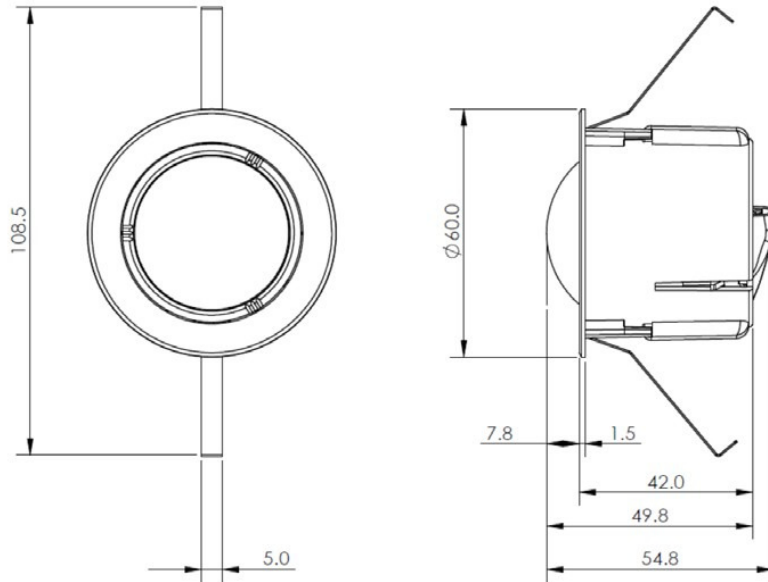Control module connections to load and optional override switch

Load

IP20   Indoor use only

A/L

Neutral

Override

Loop

Raise cover to install sensor head

SELV

Switched Active

Active

Neutral

Load

Active (same circuit as A/L)

Optional Override connection from latched switch

Sensor connection to control module

Sensor Module

Raise cover to install sensor head

IP20   Indoor use only

SELV

Load

A/L

Neutral

Override

Loop

Dimensions

Specifications

Input voltage (control/power module)	220 – 240 Vac
Input current (control/power module)	2mA (Relay Off) 11mA (Relay ON)
Frequency	50/60Hz
Output rated current (control/power module)	16A per relay channel
Output voltage (sensor head)	12V dc nominal
Output current (sensor head)	8mA nominal under normal detection with a single sensor
Isolation	≥3.75kV ac (Mains/Sensor Head) / SELV
Remote Override (refer section 5.1 and 5.2)	A maximum of 10 remote switches can be connected with up to 20m of cable on the same circuit
Start-up time	45 sec initialisation (5 mins for full sensitivity)
Ambient operating temperature	-10°C to +45°C
Ambient storage temperature	-10°C to +60°C
Humidity	10% – 95% RH, non-condensing
Sensor head cable	Factory fitted – 0.45m Maximum custom – 1.0m
Mains supply terminals (including override)	2 x 2.5mm^2 or 1 x 4mm^2
Conductor strip length	6-7mm
Ingress protection	IP20
Material	Flame retardant polycarbonate
Weight	170g
Ceiling cut-out	52mm diameter
Dimensions	Refer to diagrams
Compliance	

CONTACT INFORMATION

Web	www.diginet.net.au	
General Enquiries:	1300 95 DALI (3254)	sales@diginet.net.au
Technical Services:	1300 95 3244	support@diginet.net.au
Fax:	1300 95 3257	

DIGINET IS A BRAND OF THE GERARD LIGHTING GROUP