



## The simple solution to overcome nuisance switching.

### Diginet Smart Scan MKII featuring HDIR™ Technology.

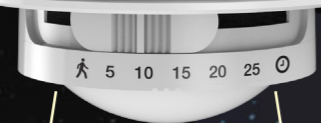
Traditional occupancy sensors utilize 'Passive Infra Red' (PIR) technology to detect movement.

Not only has this technology been superseded, but it has a reputation for being unreliable.

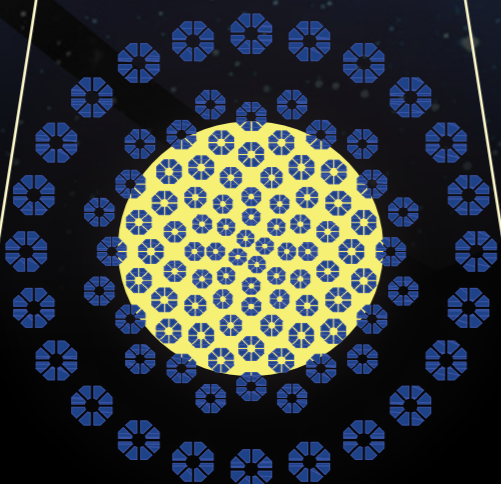
Our Smart Scan product improves upon the core PIR technology with the introduction of 'High Definition Infra Red' (HDIR™) patented technology:

- Increased sensitivity to movement
- Overcomes 'nuisance switching'
- High Field-of-View count

This technical guide will show you how easy and simple it is with the Diginet Smart Scan MKII.



With more than 800 detection zones, the 8 element HDIR™ sensor pattern eliminates movement constraints in areas that result due to gaps between sensor elements.



Specifications		DGEMSR360P1 (1 channel output model)
Electrical	Input voltage (Relay module)	220 – 240Vac
	Input current (Relay module)	2mA (Relay OFF) 11mA (Relay ON)
	Frequency	50/60Hz
	Output rated current (control/power module)	16A per relay channel
	Output voltage (sensor head)	12Vdc nominal
	Output current (sensor head)	8mA nominal under normal detection with a single sensor
	Isolation	≥ 3.75kV ac (Mains/Sensor Head) / SELV
	Remote override	A maximum of 10 remote switches can be connected with up to 20m of cable on the same circuit
Mechanic	Start-up time	45 seconds initialisation (5 minutes for full sensitivity)
	Sensor head cable	Factory fitted – 0.45m Maximum custom – 1.0m
	Mains supply terminals (including override)	2 x 2.5mm <sup>2</sup> or 1 x 4mm <sup>2</sup>
	Conductor strip length	6-7mm
	Ingress protection	IP20
	Material	Flame retardant polycarbonate
	Weight	170g
	Ceiling cut-out	52mm diameter
Environmental	Mains supply terminals (including override)	Screwed – 2 x 1.5mm2 or 1 x 2.5mm2
	Ambient operating temperature	-10°C to +45°C
	Ambient storage temperature	-10°C to +60°C
	Humidity	10% - 95% RH, non-condensing
Compliance		
Package Inclusion		

## DIGINET SMART SCAN MKII TECHNICAL GUIDE

**RELIABLE OCCUPANCY SENSING USING  
HIGH DEFINITION PIR TECHNOLOGY**  
FOR RESIDENTIAL & COMMERCIAL SOLUTIONS



# Diginet Smart Scan MKII



Patented 'push to reveal' sensor controls for simple setup and reliable operation

Recessed Flush Mount 360 degree presence sensor with one channel control module

Easily accessible setting dials by simply clicking the head in and out

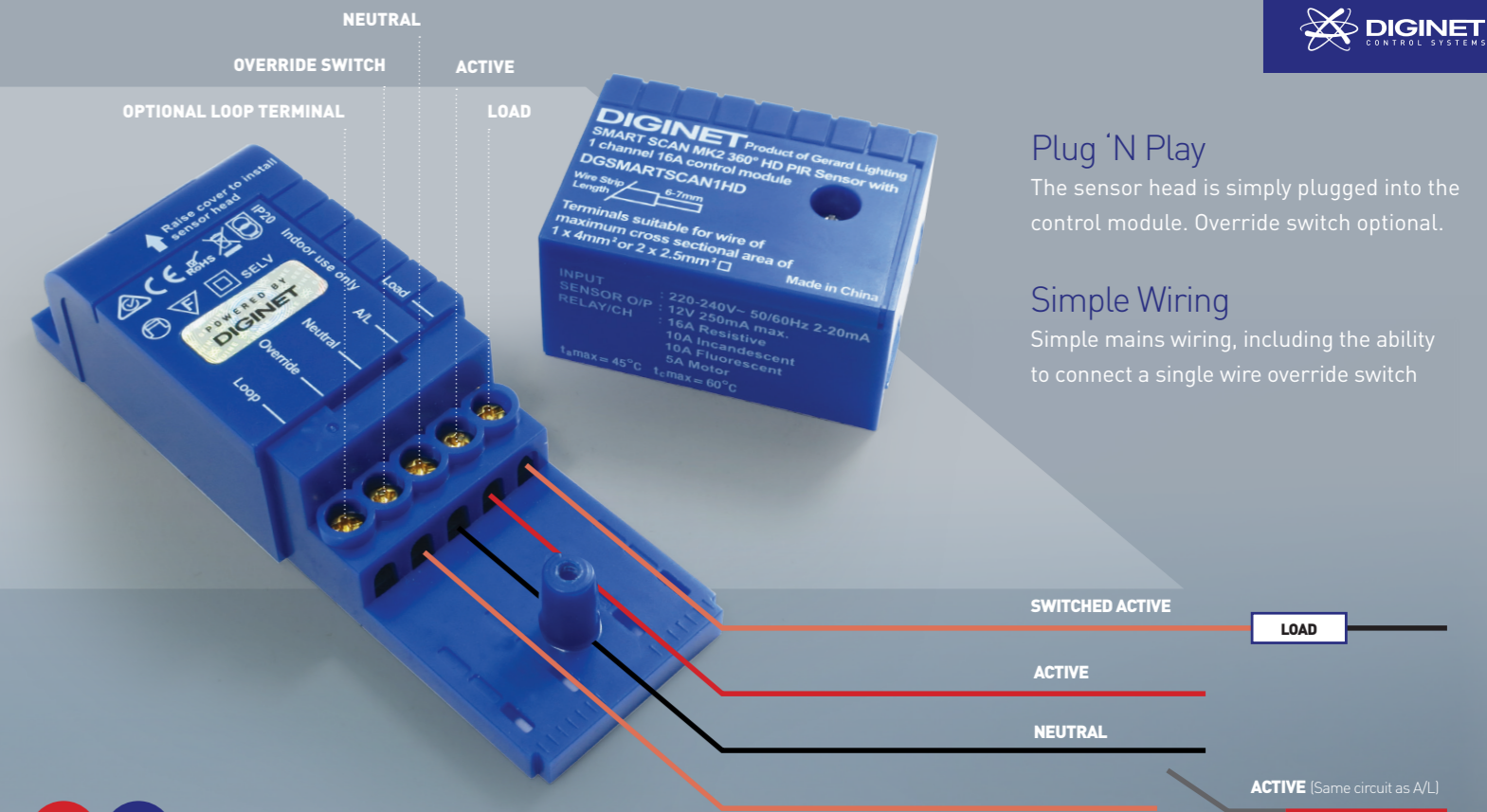
800+ fields of view designed for both minor and major movement



## Electrician's Friend

Terminals suitable for 2 x 2.5mm<sup>2</sup> or 1 x 4mm<sup>2</sup> cables, these large terminals are electrician friendly.

- Quick and easy cable fit-off
- Knockouts for cable ties (if required)
- Loop terminal (if required)
- Screw-down terminal cover with built-in cable clamps

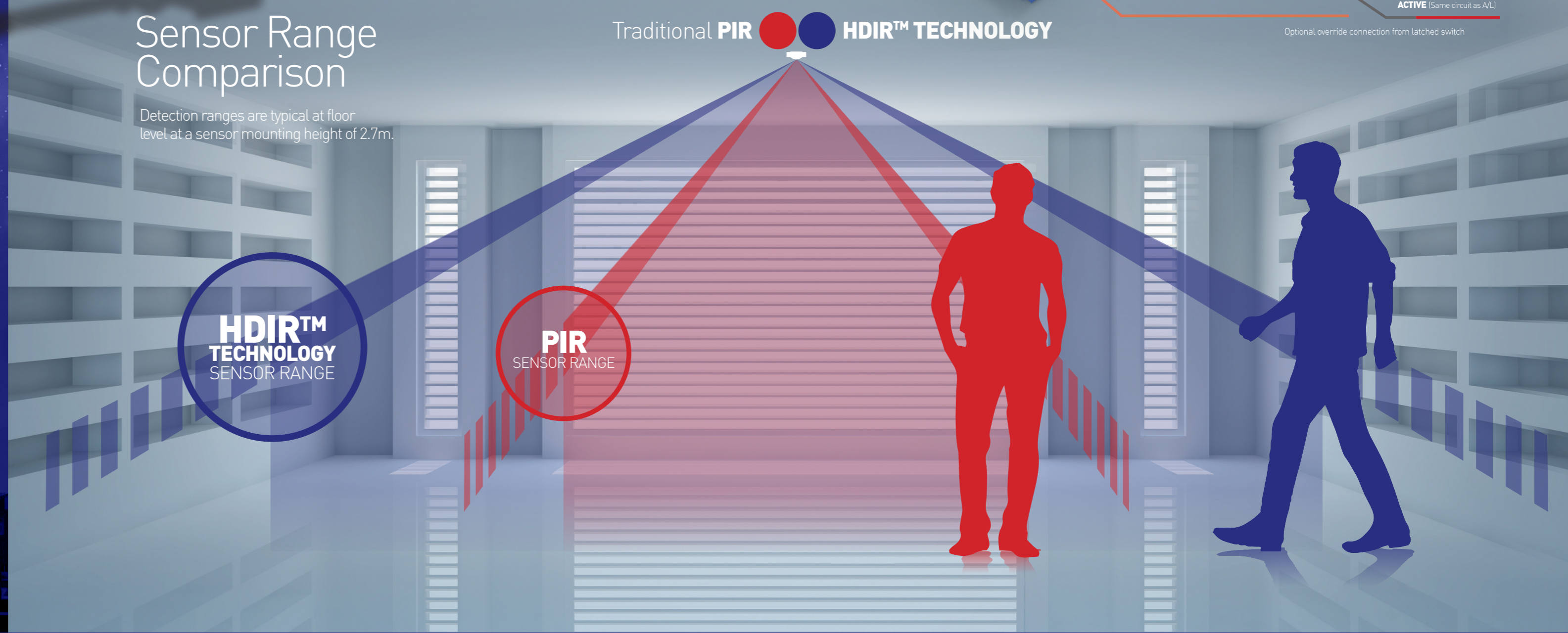


**Plug 'N Play**  
The sensor head is simply plugged into the control module. Override switch optional.

**Simple Wiring**  
Simple mains wiring, including the ability to connect a single wire override switch

## Sensor Range Comparison

Detection ranges are typical at floor level at a sensor mounting height of 2.7m.



Traditional PIR vs HDIR™ TECHNOLOGY