

# flex7 PIR Sensor Head Range



Our PIR Sensor Heads are available in black or white, with simple occupancy, or added light level sensing. The discreet head is a mere 40mm dia. requiring a 32mm dia. cut out in the ceiling. It has adjustable timeout and sensitivity settings, and detection range can be increased by up to 6 fold by adding extra sensor heads. All flex7 lighting controls operate at Protected extra low voltage.

PIR Sensor Heads need to be used in conjunction with a Control Module. A Sensor Lead is used to connect the Sensor Head and the Control Module - no on site termination is required.

## PIR Sensor Head



- ▶ Use (in conjunction with appropriate Control Module) for occupancy or absence.
- ▶ The integral infra-red receiver accepts commands from either the Setup or User remote control. An LED provides indication of operation.
- ▶ Requires a Control Module and Sensor Lead to operate.

## PIR & Light Level Sensor Head



- ▶ Use (in conjunction with appropriate Control Module) for occupancy or absence with daylight dependency/linking. Once a target light level has been set, the Sensor Head will monitor ambient light and turn on/off or dim/brighten luminaires as required.
- ▶ The integral infra-red receiver accepts commands from either the Setup or User remote control. An LED provides indication of operation.
- ▶ Requires a Control Module and Sensor Lead to operate.

## Slave Sensor Head



- ▶ Use to increase the area of detection. Up to 5 Slave Heads can be used in conjunction with 1 'Master' Head, effectively increasing detection range by 6-fold. Ideal for use in corridors or large/irregular shaped rooms.
- ▶ Can be used with PIR or Microwave Sensors (excl. 230V version)
- ▶ Supplied with a 'Y' adaptor to allow plug-in connection of 2 Sensor Leads (in/out).
- ▶ Requires a 'Master' Sensor Head, Control Module and Sensor Lead to operate.

## Tamper-Resistant Sensor Heads

Use in installations where resilience to unsolicited attempts to remove or tamper is paramount; prisons, secure units etc. It can be mounted directly to the ceiling, or a standard conduit box. It is secured with 2 suitable security screws (not supplied).

Available in all variants above.



## IP66 Sensor Heads

For use in external installations where protection from moisture is needed. Flush mount through a 34mm dia hole into the ceiling, bulkhead, canopy etc. Sensor head comes prewired with 5m lead.

Available in all variants above.

Note: Control module is IP20 and must be installed in a dry location



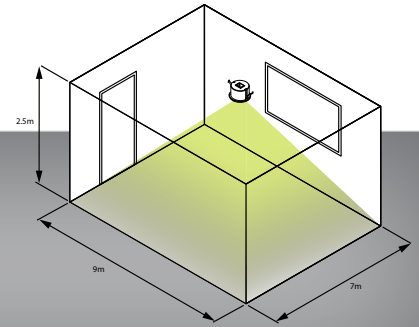
## PIR Sensor Head Surface-Mount Plate



- ▶ Use to surface-mount a flex7 PIR Sensor Head directly to a surface mount conduit box. 25mm deep min. for 'Master' Head, 50mm deep min. for Slave Head. Available in white or black.

## PIR Detection Pattern

The PIR (Passive infrared) sensor detects moving bodies of heat that are different (warmer or cooler) to the background temperature. The detection pattern is broadly rectangular at 9m x 7m when fixed at a ceiling height of 2.5m (longest length of detection aligns with the spring clips).



## Technical information

Supply Voltage: Via control module 12V DC  
 Manufactured in white PA6 UL94 V-0 rated, Non-halogen and black PA6 UL94 V-0 rated,  
 Conformity: LVD-2014/35/EU: EMC-2014/30/EU  
 Operating range: -10 to 40°C  
 Sensor Range: 9.0m x 7.0m at 2.5m height

## Ordering information

### OCCUPANCY SENSOR HEADS

### PART NO.

PIR Sensor Head in white	FNH200
PIR Sensor Head in black	FNH200/BK
Tamper-resistant PIR Sensor Head in white	FNH200/S
Tamper-resistant PIR Sensor Head in black	FNH200/S/BK
IP66 PIR Sensor Head in white	FNH200/IP66/F
IP66 PIR Sensor Head in black	FNH200/IP66/F/BK

### OCCUPANCY + LIGHT LEVEL SENSING HEADS

### PART NO.

PIR & Light Level Sensor Head in white	FNH400
PIR & Light Level Sensor Head in black	FNH400/BK
Tamper-resistant PIR & Light Level Sensor Head in white	FNH400/S
Tamper-resistant PIR & Light Level Sensor Head in black	FNH400/S/BK
IP66 PIR & Light Level Sensor Head in white	FNH400/IP66/F
IP66 PIR & Light Level Sensor Head in black	FNH400/IP66/F/BK

### SLAVE HEADS

### PART NO.

PIR Slave Sensor Head in white	FNH/SLAVE
PIR Slave Sensor Head in black	FNH/SLAVE/BK
Tamper-resistant PIR Slave Sensor Head in white	FNH/SLAVE/S
Tamper-resistant PIR Slave Sensor Head in black	FNH/SLAVE/S/BK
IP66 PIR Slave Sensor Head in white	FNH/SLAVE/IP66/F
IP66 PIR Slave Sensor Head in black	FNH/SLAVE/IP66/F/BK

### SURFACE MOUNT PLATES

### PART NO.

Surface Mount Plate in white	FNH/ADAPT
Surface Mount Plate in black	FNH/ADAPT/BK