



TIMEGUARD®



Infra-Red Remote Control Model No. IR10



1. General Information

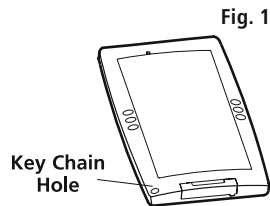
- These instructions should be read carefully and retained for further reference and maintenance.
- The IR10 infrared remote control is for use with the Timeguard PIR Presence Detector models PDSM361, PDFM361 and PDFM362.

2. Technical Specifications

- Rated Voltage: 3V DC
- Replaceable Battery: CR2031 Battery
- Transmission Range: Min. 4m (IR10 directly below detector)
- Transmission Angle: 35° (above range is reduced to approx. 3m at extremes of transmission angle)
- Operating Temperature: 0°C to +45°C
- Storage Temperature: -25°C to +55°C
- CE Compliant
- EC Directives: Conforms to latest directives
- Dimensions (H x W x D): 100 x 55 x 8mm

3. Features

- The IR10 can be attached to a key ring chain for convenience (see Fig 1).
- Ceiling mount presence detectors can be set up and adjusted without the use of ladders.
- Extended lamp ON times available.



4. Push Button Function











Notes

- To render the IR10 operational, remove the battery isolating strip by pulling the exposed tab away from the IR10 body.
- Adjustments can only be made in Unlocked Mode.
- The sensor may be set to continuously ON or OFF for 8 hours as well as detection mode controlled by or independent of light level.
- By use of the MEMO button the operational settings made for one unit can be loaded into other units in the same area. It also allows return to previous operational settings after a Reset.

- The maximum IR transmit time when a button is pressed is 1 second, pressing a button for longer than this is not effective (except MEMO button).
- Pressing more than one button simultaneously will result in a failed transmission.
- Commands and operational settings are all confirmed by around 2 seconds of rapid flashing of the sensor LED except for (eye icon) (see relevant section).
- Time setting for load II (HVAC) is only available with the PDFM362.

Push Button	Function
(Command)	Sensor load I ON <ul style="list-style-type: none"> • By pressing the "ON" button load I will be switched on for 8hrs, this is confirmed by around 2sec rapid flashing of the sensor LED. The sensor LED flashes 1sec ON and 5sec OFF during the ON mode. No movement can be detected by the sensor during the ON mode. • Exit the ON mode and return to Auto mode either by pressing the "ON" button (confirmed by around 2sec rapid flashing of the sensor LED) or by re-supplying power after it has been turned off for at least 10 seconds. • Load I can be switched to the OFF mode by pressing the "OFF" button during an ON period (confirmed by around 2sec rapid flashing of the sensor LED).
(Command)	Sensor load I OFF <ul style="list-style-type: none"> • By pressing the "OFF" button load I will be switched off for 8hrs, (confirmed by around 2sec rapid flashing of the sensor LED). The sensor LED flashes 1sec ON and 5sec OFF during the OFF mode. No movement can be detected by the sensor during the OFF mode. • Exit the OFF mode and return to Auto mode either by pressing "OFF" or to re-supply power after it has been turned off for at least 10sec. • Load I can be switched to the ON mode by pressing the "ON" button during an OFF period (confirmed by around 2sec rapid flashing of the sensor LED).
(Command)	Locking of IR10 <ul style="list-style-type: none"> • By pressing the "Locking" button the IR10 can be locked and no button will function except "Unlocking". It is confirmed by around 2sec rapid flashing of the sensor LED.
(Command)	Unlocking of IR10 <ul style="list-style-type: none"> • By pressing the "Unlocking" button the IR10 is unlocked, (all buttons will now function). This is confirmed by around 2 sec rapid flashing of the sensor LED.
 (Operational Setting)	Lux value adjustment for load I <ul style="list-style-type: none"> • The operating light threshold, below which the unit will be functional in Auto mode, can be selected by pressing one of this group of buttons (an alternative can be chosen – see (eye icon)). • This is confirmed by around 2sec rapid flashing of the sensor LED.
(Operational Setting)	Automatic read-in of actual light level as the threshold of switching for load I <ul style="list-style-type: none"> • If the set lux values do not match the user's required value the actual light level can be read-in as the threshold for switching load I. The steps are as below: • Push "Eye icon" button till sensor LED flashes slowly for 10sec while the unit learns the actual light level. This is confirmed by both load and LED turning ON for 5sec. Then the unit returns to Auto mode.

Push Button	Function
  (Operational Setting)	Time setting for load I – lighting (Time I) <ul style="list-style-type: none"> By pressing the corresponding button, the required delay time for load I can be set, it is confirmed by 2sec rapid flashing of the sensor LED.
 (Operational Setting)	Test mode <ul style="list-style-type: none"> Press the "TEST" button to enter Test mode, it is confirmed by 2sec rapid flashing of the sensor LED. Walking through the detection coverage, both load I and the sensor LED turn ON for 2sec then OFF for at least 2sec once sensor is triggered. The unit works at all lux values. Load II does not operate in Test mode.
 (Operational Setting)	Short impulse mode <ul style="list-style-type: none"> Press the "1 Sec." button to enter Short impulse mode, it is confirmed by 2sec rapid flashing of the sensor LED. When the light level is below the selected threshold and the sensor is triggered, load I will turn ON for 1sec then OFF for at least 9sec. Load II does not operate in Short impulse mode.
  (Operational Setting)	Time setting for load II – HVAC (Time 2) <ul style="list-style-type: none"> By pressing the corresponding button, the required delay time for load II (HVAC) can be set, it is confirmed by 2sec rapid flashing of the sensor LED.
 (Operational Setting)	Store and duplicate of the values set by IR10 <ul style="list-style-type: none"> When Time or Lux has been set by the IR10 press the "MEMO" button for more than 3sec, and the sensor LED flashes for 2sec rapidly to confirm settings have been stored. If no settings for Lux or Time have been made the sensor LED does not flash in response to the 3sec pressing of the "MEMO" button and no settings are stored. (Light level set by the "EYE" button can not be stored). The IR10 may now be taken to another sensor and by pressing the "MEMO" button for around 1sec the stored settings will be duplicated in the second sensor. Note: Please read Reset (below) to see how "MEMO" and "RESET" work together.
 (Command)	Reset <ul style="list-style-type: none"> By pressing the "RESET" button the sensor is returned to operation controlled by the dial settings on the side of the sensor. It is confirmed by 2sec rapid flashing of the sensor LED. By pressing the "MEMO" button again for around 1sec the sensor returns to be controlled by the last settings previously set by the IR10.

5. Battery Replacement

- Lever out the battery holder using a small flat head screwdriver (see Fig 2).

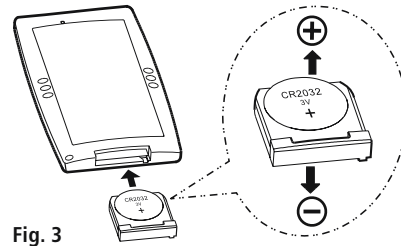
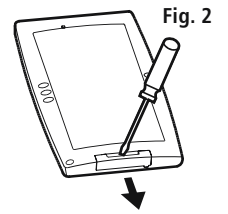


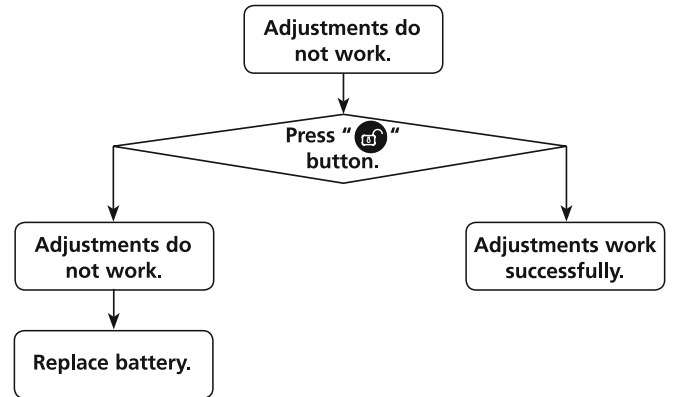
Fig. 3

- Please make sure the battery is the right way up, and then push the battery holder back into place (see Fig 3).

6. Troubleshooting

- If the IR10 does not work, follow the flow chart as detailed in section 6.1.

6.1 Troubleshooting for the IR10 remote only.



Note: All the adjustment set by the IR10 remote will be erased after you change the battery. If you replace please make sure to set the values again.

6.2 Trouble shooting for the IR10 remote combined with a sensor.

Problem	Possible Cause	Suggested Solution
Failure to receive signal.	Transmission range exceeded.	Operate within specified transmission range, and ensure IR10 is aimed within the 35° reception angle of the detector.
No signal.	IR10 battery is low.	Replace battery.
Failure to transmit signal.	IR10 is in locked mode.	Unlock IR10.

3 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture within 3 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. For years 2 and 3 or any difficulty in the first year, telephone the helpline on 020 8450 0515.

Note: A proof of purchase is required in all cases. For all eligible replacements (where agreed by Timeguard) the customer is responsible for all shipping/postage charges outside of the UK. All shipping costs are to be paid in advance before a replacement is sent.

If you experience problems, do not immediately return the unit to the store. Telephone the Timeguard Customer Helpline;

HELPLINE
020 8450 0515

or email helpline@timeguard.com

Qualified Customer Support Co-ordinators will be on-line to assist in resolving your query.



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For a product brochure please contact:

Timeguard Limited.

Victory Park, 400 Edgware Road, London NW2 6ND

Sales Office: 020 8452 1112

or email csc@timeguard.com

www.timeguard.com