

SAVING ENERGY, REDUCING COSTS



ENERGY
SAVING

AUTOMATIC

OCCUPANCY
SENSOR

TIMER

WALL
MOUNTED

CEILING
MOUNTED

NO
WIRING



PAIR (PASSIVE ACTIVE INFRA RED) TIMER

The PAIR (Passive Active Infra Red) occupancy timer is an optional addition to eTRV+ which can be used to enhance energy savings in areas with intermittent use.

PAIR remotely controls eTRV+ to automatically operate the heating in a room. PAIR saves energy by lowering heating when a room is left empty.

PAIR detects presence using a Passive Infra Red sensor to see movement. When presence is detected, PAIR remotely instructs eTRV+ to switch the heating to OCCUPIED whilst the room is in use.

After a set time (e.g. 1 hour), if no movement is detected PAIR instructs eTRV+ to reduce the heating to UNOCCUPIED. If the area remains empty, after a further set period (e.g. 24 hours), PAIR will instruct eTRV+ to further reduce the heating to SLEEP mode.

PAIR can be wall or ceiling mounted, it is battery operated and quick and easy to fit with no wiring. PAIR must be in direct line of sight of eTRV+.

APPLICATIONS

Areas with intermittent use, for example:

- Single occupancy offices
- Meeting rooms
- Corridors
- Classrooms
- Student accommodation
- Nursing accommodation
- Hotel accommodation
- Care homes

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General

Dimensions	86 (h) x 86 (w) x 35 (d)
Controller type	Programmable
Application Group	Central Generation
Zone type	Maintained or Intermittent.

Power Supply

Supply	2 x 1.5V AA alkaline batteries (LR6) Optional terminal strip to connect to 12V DC external power supply
Battery life	Battery life: Up to 2.5 years (dependent on use) Low and Dead battery warning
Back up memory	Yes.

Mounting

Wall or ceiling mountable.

PIR Range

Ceiling mounted (2.5m, range at 0.7m above floor)	7m x 1m beam diameter (Axis A) 4m x 1m beam diameter (Axis B) See page 3
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Wall mounted (2.2m)	110° fan, 3m to 7m range See page 3.
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Beam Diameter

Ceiling mounted	(x) = difference in height of PAIR timer and eTRV+. PAIR approx 70% of (x) horizontally from eTRV+. Beam diameter at eTRV+ approx (x) minus 0.5m.
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Wall mounted	(x) = difference in height of PAIR timer and eTRV+. PAIR approx 150% of (x) horizontally from eTRV+. Beam diameter is approx (x) minus 0.1m.
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Programming

Setting	Default or custom options
Control	Remote control iLink: iPad, iPhone, iTouch / Android with infrared transmitter / Universal remote control.

Quality and Reliability

Quality	Manufactured in the UK using high quality components
Reliability	CE tested and complies with BSEN 60730.

Operating Conditions and Precautions

Temperature	Operating: +5°C to +40°C Storage: -20°C to +60°C
Environment	Protection class: IP20 Only use in dry areas indoors Must be protected from moisture and water.

Remote Control

Temperature	Operating: -10°C to +50°C Storage: -20°C to +60°C
Environment	Humidity: 0-90% RH Protection Class: IP20
Range	Up to 7m
Power supply	One 3V CR2025 battery
Battery life	3 years (dependent on use)
Size	115mm (h) x 58mm (w) x 8mm (d).

Guarantee

1 year product warranty as standard.

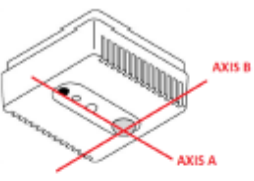
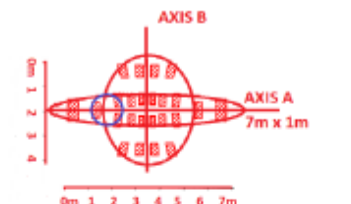
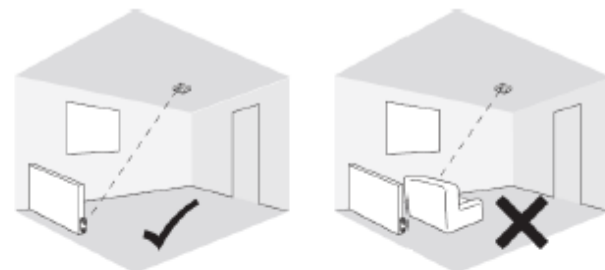
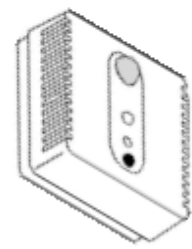
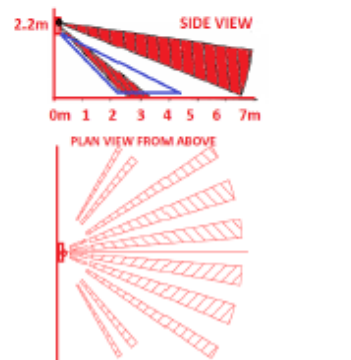
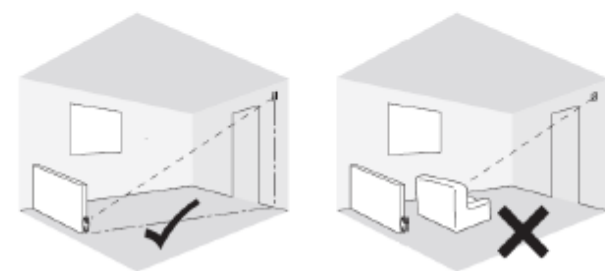
Disclaimer

Due to continual research and product development, this specification is subject to change without notice.





PAIR TIMER LOCATION, SENSOR AND BEAM COVERAGE

 <p>PAIR timer – ceiling mounted (patterns based on ceiling height of 2.5m)</p>	 <p>PIR beam patterns shown at 0.7m above floor level (desk level) Small circle shows Active Infra Red transmitter beam at 0.1m above floor level (example of eTRV level)</p>	 <p>PAIR timer – ceiling mounted example showing correct position and incorrect position where furniture can block Active Infra Red transmitter beam</p>
 <p>PAIR timer – wall mounted (patterns based on wall mounting at height of 2.2m)</p>	 <p>SIDE VIEW 2.2m 0m 1 2 3 4 5 6 7m</p> <p>PLAN VIEW FROM ABOVE</p>	 <p>PAIR timer – wall mounted example showing correct position and incorrect position where furniture can block Active Infra Red transmitter beam</p>