

PIR thermostat controls



Order code: **WAPIR TH**



Order code: **WAPIR THX**

PIR thermostat control for heating: WAPIR TH (user adjustable)

PIR thermostat control for heating: WAPIR THX (hidden adjustment)

For the automatic control of electric heating loads. The passive infra-red person detector detects whether somebody is present in the vicinity. If somebody is present the heating is controlled by the thermostat. If nobody is present the room temperature is allowed to drop to a lower base level. This base level or 'set-back temperature' is also adjustable.

WAPIR TH has an adjustable front thermostat dial.

WAPIR THX does not have an adjustable front dial. The thermostat setting is adjusted to the preferred setting by use of a spindle on the back of the product.

For wall mounting only.

Specification

| | |
|-----------------------|---|
| Detection angle: | 120°, see page 19 (as WAPIR) |
| Thermostat range: | 15 to 25°C |
| Set-back temperature: | 5 to 14°C |
| Loading: | Up to 13 amps (3000W) of any type of heating load |
| Wiring diagram: | See diagram 90 below |
| Dimensions: | 86 x 86 x 22mm. Wall box depth: 25mm |

PIR thermostat control for cooling: WAPIR TC (user adjustable)

PIR thermostat control for cooling: WAPIR TCX (hidden adjustment)

For the automatic control of electric cooling loads. The passive infra-red person detector detects whether somebody is present in the vicinity. If somebody is present the cooling is controlled by the thermostat. There is a 'deadzone' adjustment and a run-on time adjustment to avoid excessive switching of the cooling load. If nobody is present the cooling thermostat remains off until the room temperature reaches its upper threshold. This upper threshold is set using the 'offset' temperature adjustment.

WAPIR TC has an adjustable front thermostat dial.

WAPIR TCX does not have an adjustable front dial. The thermostat setting is adjusted to the preferred setting by use of a spindle on the back of the product.

For wall mounting only.

Specification

| | |
|----------------------|---|
| Detection angle: | 120°, see page 19 (as WAPIR) |
| Thermostat range: | 15 to 25°C |
| Offset temperature: | Differential of 2 to 10°C above main thermostat setting or disabled |
| Deadzone adjustment: | 1, 2, 3, 4 or 5°C |
| Run-on time: | 0 minutes or 5 minutes |
| Loading: | Up to 13 amps (3000W) of any type of cooling load |
| Wiring diagram: | See diagram 90 below |
| Dimensions: | 86 x 86 x 22mm. Wall box depth: 25mm |



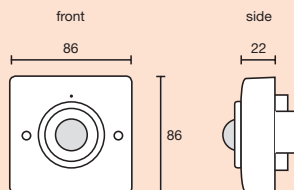
Order code: **WAPIR TC**



Order code: **WAPIR TCX**

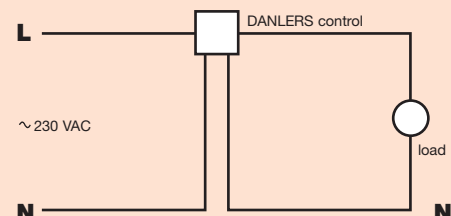
Dimensions in mm

WAPIR TH, WAPIR THX, WAPIR TC, WAPIR TCX



Wiring diagram

90. PIR Thermostat controlling a heating or cooling load



HVAC CONTROLS (for Heating, Ventilation and Air Conditioning)



Order code: **TLSW HB**

Heater boost switch

For control of electric heating loads (or other electric loads). Switches heating load on for a limited time only. Pressing the button selects each time lag choice in turn. The heating then remains on for the chosen time lag before switching off automatically. The button can also be used at any time for selecting a different time lag or for switching off.

Bespoke versions are available on request.

Specification

| | |
|----------------------|--|
| Selectable time lag: | 1/4 hour, 1/2 hour, 1 hour, 2 hours |
| Loading: | Up to 13 amps (3000W) of resistive load, or 6 amps (1500W) of inductive load |
| Wiring diagram: | See diagram 91 below |
| Dimensions: | 86 x 86 x 12mm. Wall box depth: 25mm |



Order code: **FASP**

Fan speed control

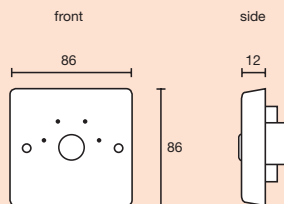
Controls the speed of fans and motors. Push-on, push-off with rotary speed control. Can be used in one or two way switching circuits. Not suitable for control of fans or motors which are synchronous (designed to be constant speed).

Specification

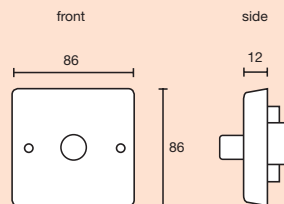
| | |
|-----------------|--------------------------------------|
| Minimum load: | 40W |
| Maximum load: | 250W |
| Wiring diagram: | See diagrams 92 and 93 below |
| Dimensions: | 86 x 86 x 12mm. Wall box depth: 16mm |

Dimensions in mm

TLSW HB

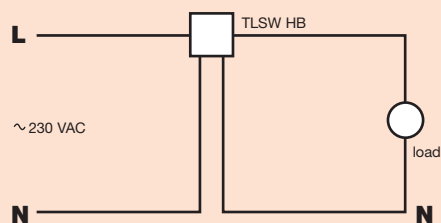


FASP

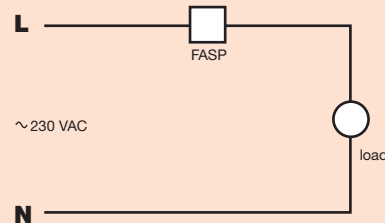


Wiring diagrams

91. Heater boost switch controlling a heating load



92. Fan speed control in 1-way switching circuit



93. Fan speed control in 2-way switching circuit

