

CONTROLS FOR HEATING, VENTILATION AND AIR-CONDITIONING



This range of energy saving products is designed for the automatic switching of a wide variety of load types.

**5 YEAR WARRANTY -
MADE IN THE U.K.**

PIR thermostat controls for heating

Designed for the control of stand alone heating loads, these wall mounted products are hard wired.

PIR thermostat controls for cooling

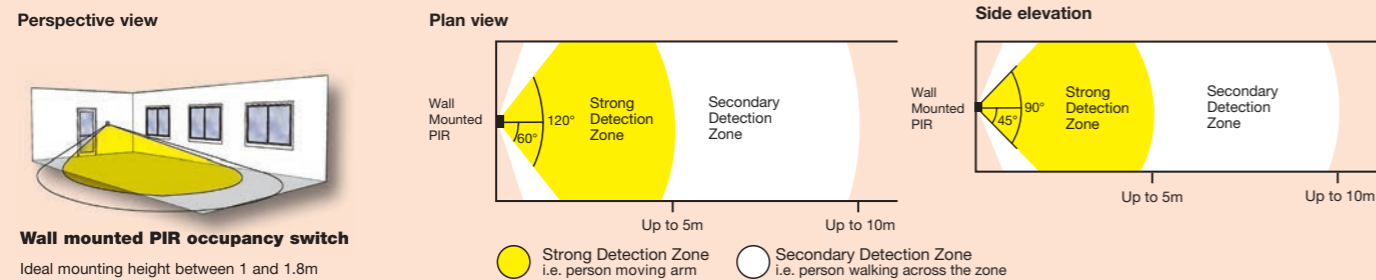
Designed for the control of stand alone cooling loads, these wall mounted products are hard wired.

Heater boost / Air conditioning time-on switches

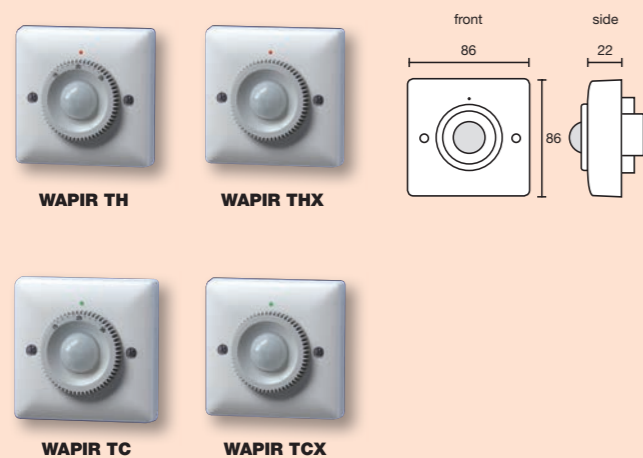
For control of domestic or commercial electric heating loads (or other electric loads) such as water heaters, heater towel rails, charging points, air conditioning units, etc.

Switches load on for a limited time only. Pressing the button selects each time lag choice in turn. The load 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.

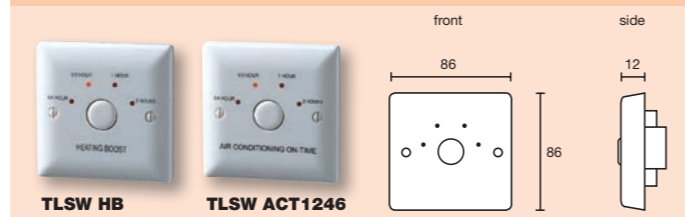
Detection diagrams - WAPIR TH, WAPIR THX, WAPIR TC and WAPIR TCX



A - Dimensions in mm



B - Dimensions in mm



CONTROLS FOR HEATING, VENTILATION AND AIR-CONDITIONING

PIR THERMOSTAT CONTROLS FOR HEATING

DANLERS PRODUCT ORDER CODE	TEMPERATURE RANGES	LOADING	ADDITIONAL PRODUCT DESCRIPTION	WALL BOX DEPTH	DIMENSIONS DIAGRAM	WIRING DIAGRAMS
WAPIR TH	THERMOSTAT: 15 to 25°C SETBACK: 5 to 14°C	Up to 13 amps (3000W) of any type of resistive heating load	The PIR detector detects whether somebody is present in the vicinity. If somebody is present the heating is controlled by the adjustable front thermostat dial. 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.	25mm	A 86 x 86 x 22mm	77.1
WAPIR THX	As WAPIR TH but with hidden thermostat adjustment spindle.					

PIR THERMOSTAT CONTROLS FOR COOLING

WAPIR TC	THERMOSTAT: 15 to 25°C OFFSET: Differential of 2 to 10°C above main thermostat setting, or disabled (no maximum temperature)	Up to 13 amps (3000W) of any type of resistive cooling load	The PIR detector detects whether somebody is present in the vicinity. If somebody is present the cooling is controlled by the adjustable front thermostat dial. There is a 'deadzone' adjustment (1, 2, 3, 4 or 5°C) and a run-on time adjustment (0 minutes or 5 minutes) 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.	25mm	A 86 x 86 x 22mm	77.1
WAPIR TCX	As WAPIR TC but with hidden thermostat adjustment spindle.					

HEATER BOOST AND AIR CONDITIONING TIME-ON SWITCHES

DANLERS PRODUCT ORDER CODE	SELECTABLE TIME LAG	MAXIMUM LOADING	ADDITIONAL PRODUCT DESCRIPTION	WALL BOX DEPTH	DIMENSIONS DIAGRAM	WIRING DIAGRAMS
TLSW HB	1/4 hour, 1/2 hour, 1 hour, 2 hours	13 amps (3000W) of resistive load, or 6 amps (1500W) of transformer load	'HEATING BOOST' printed on front plate.	25mm	B 86 x 86 x 12mm	77.1
TLSW HB1246	1 hour, 2 hours, 4 hours, 6 hours	As TLSW HB with different selectable time lags.				
TLSW ACT	1/4 hour, 1/2 hour, 1 hour, 2 hours	13 amps (3000W) of any type of resistive cooling load	'AIR CONDITIONING TIME-ON' printed on front plate.	25mm	B 86 x 86 x 12mm	77.1
TLSW ACT1246	1 hour, 2 hours, 4 hours, 6 hours	As TLSW HB with different selectable time lags.				

Bespoke versions of are available on request. Multi-selectable time lag switches are also available, see page 63 for details.

Wiring diagram

