

GB

Please take the time to read this quick installation guide. The guide contains important information and notes regarding the installation and operation of Panel Convector Heaters



Electric Panel Heater

Installation & Operating Instructions

PLEASE RETAIN AFTER INSTALL FOR FUTURE USE / OPERATION



Model# TIW01-1000/TIW01-1500/TIW01-2000 (-FT MODELS)

WARNING: This product must be installed in accordance with the applicable installation code by a competent persons familiar with the installation and operation of the product, IEEE national wiring standards & hazards involved
This product is only suitable for well insulated spaces or occasional use

NOTE: Installation of heater with modification to the unit, or incorrect fitting in accordance with the below instructions could result in damage/failure of product, which may invalidate warranty.



Environmental Protection (W.E.E.E.) – Waste Electrical & Electronic Equipment Regulations (WEEE) requires that any of our products showing this marking must not be disposed of with other household or commercial waste. We do not levy any WEEE disposal charges to its customers for affected WEEE related products. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate any such product from other waste types and recycle it responsibly at your local facilities. Check with your Local Authority, Recycling Centre or retailer for recycling advice. If, when you purchased product, your supplier included a WEEE disposal fee, you should then contact your supplier for advice on their take-back of the product for the correct disposal.

MANUFACTURER'S GUARANTEE - This product is guaranteed in the country of purchase for the number of years as stated from the date of purchase. The guarantee is invalid in the case of improper use, installation, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not in accordance with the advised instructions and/or national wiring regulations. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. This warranty is in addition to the statutory rights in your country of purchase and reserve the right to alter specifications without prior notice.

DANGER - RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION

SAFETY

This appliance should not be used / operated by children or any user without understanding and knowledge of use of the appliance in a safe way and understanding the hazards involved.

- Children & pets should be supervised and kept away from the product when in operation.

Panel heater housing gets HOT to touch after/during use or for a short duration immediately following use – please do not touch – risk of burns.

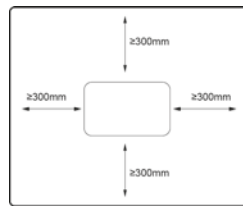
- If the power lead or any part of the heater is damaged, it must be replaced by the manufacturer, its authorized service agent or similarly qualified persons.

- CAUTION: In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be operated through an external switching device such as a timer clock.

-WARNING: In order to avoid overheating, do not cover the heater with any object, item, clothing or other item. **This product is for domestic room heating only.**



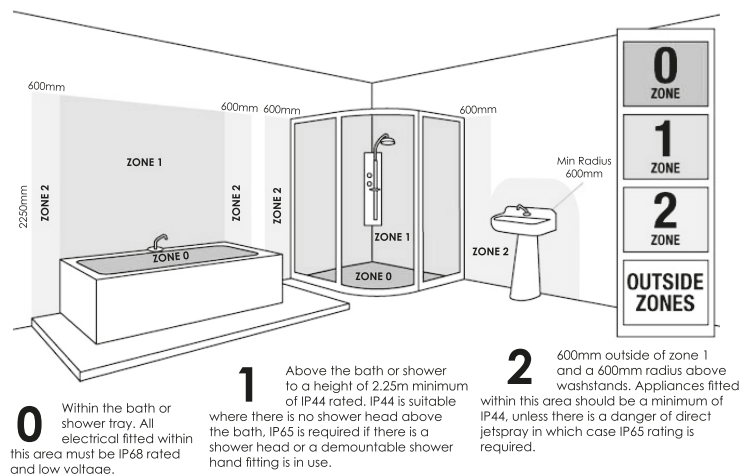
- The heater must not be located immediately below a socket or other object / item. Ensure 300mm clearance zone on all sides when wall mounting.



- This product must be operated within an ambient fixture temperature of 5°C to 35°C to comply with all safety and warranty regulations. Ensure sufficient air flow around the for efficient heat dissipation and 300mm clearance from all objects, fixtures and fittings on all sides. Failure to do so could significantly reduce luminaire life and/or safety/warranty regulations.

- Heater is IPX4 - Do not use this heater in the immediate surroundings of a water ie, sink, tap, bath, a, shower, hose, swimming pool, outdoor or other source of water. Fixed permanent wall mount installation should be carried out by a suitably competent and qualified electrician ONLY with understanding of the safety zones in such environments.

When installing in bathrooms or washrooms, it is important to follow safe installation and use of the right product in the right location in accordance with IEE Regs.



INSTALL Outside zone 0, 1, 2 only - Heater is IPX4 Rated - NEVER INSTALL WITHIN 600MM OF A WATER SOURCE OR WITHIN A USERS REACH OF A BATH/SHOWER ie. Zone 0, 1, 2 Note – all bathroom electrical installations must be fitted by a qualified & competent electrician.

INSTALLATION INSTRUCTIONS – WALL MOUNT INSTALLATION

(requires included wall mount bracket, screws x 4, wall plugs x 4, drill, driver)

BEFORE INSTALLATION – TAKE NOTE THAT THE POWER LEAD & PLUG IS OF 1.2M LENGTH ONLY – AND EXITS THE HEATER ON THE RIGHT HAND SIDE OF THE APPLIANCE AS VIEWED FROM THE FRONT

STEP 1 – Select a wall location of sufficient strength to securely support installation of the heaters weight (1000w 3.3kg / 1500w 4.0kg / 2000w 4.9kg). Ensure desired installation location meets safety guidelines above. NOTE - When installing in bathrooms or washrooms, installation should be carried out by a qualified and competent electrician with an understanding of the zone requirements in accordance with IEE Regs. NEVER INSTALL IN RATED ZONE 0, 1 OR 2

STEP 2 - Using a tape measure, measure 600mm in all directions from the desired installation location. This will ensure the final product is not within 300mm of object, item, fixture or other that may be affected by heat produced from the appliance & relevant hazard

STEP 3 – Using a spirit level, draw a line at the desired installation height and mark.

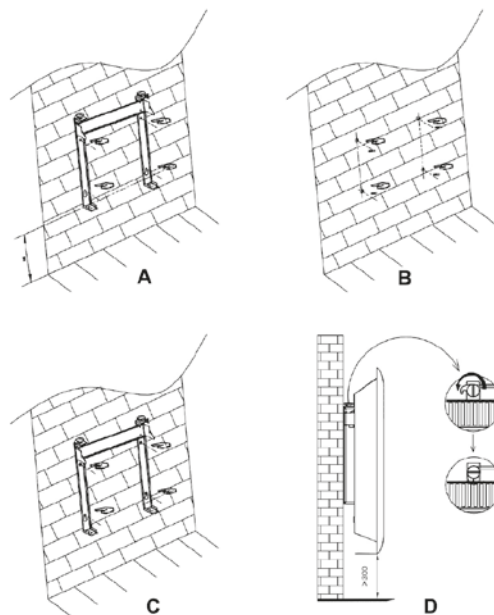
STEP 4 – Place wall bracket over the marked line, mark hole positions.

STEP 5 – Drill marked hole locations – use an 8mm drill bit if using the supplied wall plugs. **Warning! When drilling holes, always check to ensure there is no wiring, pipework, etc. in the location being drilled.**

STEP 6 – Insert wall plug and screw wall mount bracket to wall securely using 4 x screws. Make sure the wall mount bracket is the correct orientation with the white retaining clips located at the top.

STEP 7 – Angling the heater slightly, gently insert the heater body onto the bottom of the wall bracket. Once in position, adjust the angle to locate to attach to the top of the bracket. Rotate white retaining locks with a flat-head screw driver to secure. **Check the installation is secure and level BEFORE powering up to avoid damage.**

STEP 8 – If installing using the 3-pin plug provided, plug in to a nearby socket. Ensure any excess cable is securely cable tied and not in contact with the heater body. If installing directly to mains, THE HEATER MUST BE INSTALLED INTO A 13-A FUSED SPUR ONLY **BY A QUALIFIED AND COMPETANT ELECTRICIAN. FAILURE TO DO SO MAY INVALIDATE WARRANTY**



INSTALLATION INSTRUCTIONS – FREESTANDING FEET INSTALLATION

(optional part supplied separately [part code TIW01-XXXX-FT])

(Requires included 2 x freestanding heater feet (part code TIW01-XXXX-FT) screws x 4 (supplied), screwdriver (for best results screw by hand and avoid using electronic drills/drivers)

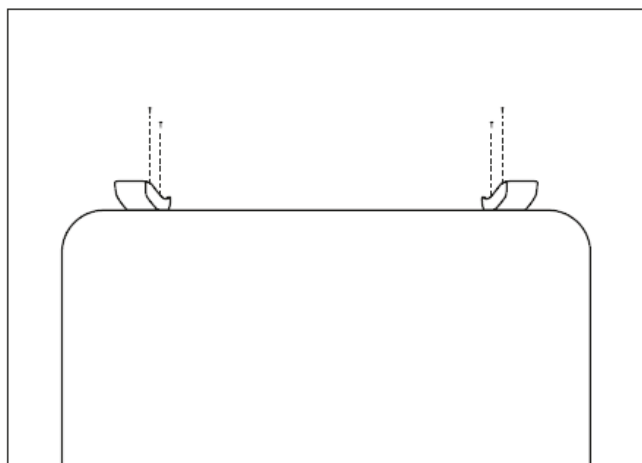
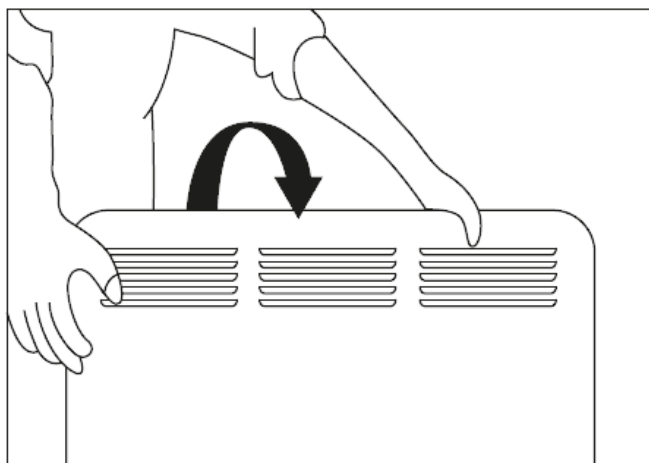
STEP 1 – Turn the heater on edge, upside down. Place the heater on a flat, dry clean surface

STEP 2 – Place plastic heater feet (TIW01-XXXX-FT) in the marked locations aligning 2 x pre-drilled screw holes of the feet with the pre-drilled brackets located on the base of the heater (seen through the grilled louvre vent)

STEP 3 – using a screwdriver and the 4 x provided screws (for best results avoid using electronic drills/drivers) screw feet securely until tight. Do not overtighten as may damage the feet / screw thread.

STEP 4 – Turn the appliance back over to the correct orientation, place on a level, flat floor. Avoid placing the item on objects such as chairs, tables, or other. Ensure the final product is not within 300mm of object, item, fixture or other that may be affected by heat produced from the appliance & relevant hazard. NOTE - When using in bathrooms or washrooms, installation should be carried out by a qualified and competent electrician with an understanding of the zone requirements in accordance with IEE Regs. NEVER INSTALL IN RATED ZONE 0, 1 OR 2 ie. Within 600mm of a water source. **Check the installation is level BEFORE powering up to avoid damage.**

STEP 5 - Using the 3-pin plug provided, plug in to a nearby socket. Ensure any excess cable is securely cable tied and not in contact with the heater body.



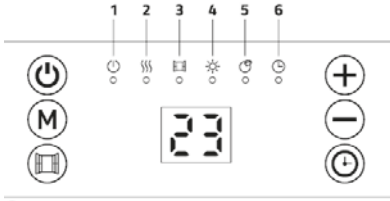
CLEANING & MAINTENANCE

- **CAUTION: Allow the product to completely cool before handling or cleaning it.**
- Switch off and unplug from the power supply before cleaning.
- Using a soft, moist cloth, with or without a mild soap solution, carefully clean the exterior surface of the product.
- Do not allow water or other liquids to run into the interior of the product, as this could create a fire and/or electrical hazard.
- We also recommend the periodic cleaning of this appliance by lightly running a vacuum cleaner nozzle over the guards to remove any dust or dirt that may have accumulated inside or on the unit.
- **CAUTION: Do not use harsh detergents, chemical cleaners or solvents as they may damage the surface finish of the plastic components.**

OPERATING INSTRUCTIONS



Control panel



- ① Power On/Off
- ② Heating Indicator Light
- ③ Open Window Function (LOT20)
- ④ Comfort Mode
- ⑤ ECO Mode
- ⑥ Timer Mode

	Power On/Off
	Mode selection
	Open window function (LOT20)
	Increase function
	Decrease function
	Timer mode

How to operate:

- Ensure the appliance is powered by either supplier 3-pin plug or switched fuse spur with an AC 230-240V 50-60Hz supply. To power on, press down on/off switch once. The unit will beep and illuminate the indicator light will show the unit is on.
- Upon first use, the heater will default to comfort mode:
 - Target temperature setting: 22 °C
 - Date: 1(Monday); Time: 00:00 (Off)
 - Window open function: Off
 - Timer: Off

If default settings are different, it will simply be because the unit has been quality tested after production.

- To turn the heater off, press to turn off the heater, & unplug/switch off fuse spur when the product when it's not in use.

Clock and day of week setting:

- Press the button and hold for 3 seconds to enter clock and day of week setting
- The screen will display "d", using the and to select the day from 1-7 respectively

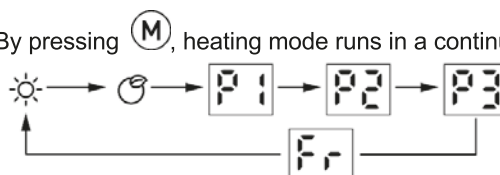
1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday
6	Saturday
7	Sunday

- Press button to confirm day setting and enter the clock hour setting, with the screen display:
- Press and to set the current hour (24 hour clock)
- Press to confirm hour setting and enter the minute setting, with the screen display:
- Press and to set the current minute
- Press to confirm

Note: The clock and calendar will be reset to factory default if without power supply. Any programs will remain in memory.

Heating mode:

- Press to enter mode selection. By pressing , heating mode runs in a continuous cycle as below:



Comfort mode: Press and to set the temperature from 5-35°C.



ECO mode: Press \oplus and \ominus to set the temperature from 1-31°C.



Anti-frost mode: the screen display F_r is fixed at an ambient temperature of 7°C and cannot be adjusted.

Program mode:

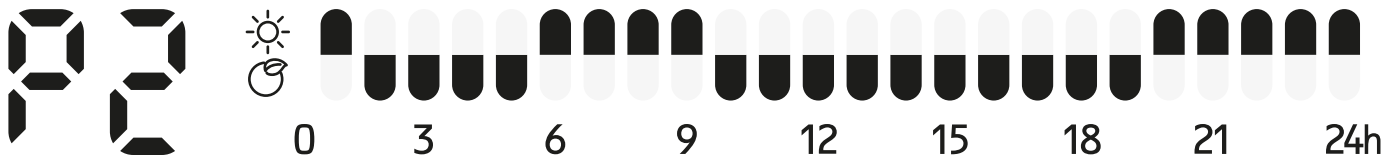
- P1/P2/P3: 3 default preset programs are built into the heater as standard.

Note: If the clock and day setup is incomplete, the heater will ask for the day and time to be set first before entering program mode.

P1: (Monday-Sunday) - NON- ADJUSTABLE PROGRAM



P2: (Monday-Friday) – NON- ADJUSTABLE PROGRAM



P2: (Saturday-Sunday) – NON- ADJUSTABLE PROGRAM



P3: (Monday-Friday) – USER ADJUSTABLE PROGRAM




P3: (Saturday-Sunday) – USER ADJUSTABLE PROGRAM



User programming - To adjust the program (P3 only):

1. When currently in P3 mode (shown on screen), press and hold the \textcircled{M} button for 3 seconds..
2. The screen will display $d1$, using the \oplus and \ominus to enter programming for the desired day $d1-d7$ (Monday-Sunday).
3. Press \textcircled{M} to confirm and enter hour setting
4. The screen will display 00 , press \oplus and \ominus to set the time for that selected day in step 2.
5. Press \textcircled{M} to select the desired mode for that day selected in step 2.


Comfort mode  shown by the indicator light




ECO mode 

Anti-frost mode - no lights








4. Repeat the operation until you have completed the schedule of every hour and every day.





Note: After setting heating mode for hour 23, press  to come back to day setting.

Note: when screen displays , press  to complete and store settings. The screen will return to show .

Timer off function (turn the heater off after a set number of hours)

1. Press  to enter timer standby mode, the screen displays "0H" and keeps flashing.
2. Press  and  to set timer from 0-24 hours.
3. Press  again to confirm setting, the indicator light  will show.

Open window function (to turn on/off)

- Press  once to turn open window function on. The indicator light  will show. **If open window function is activated, the indicator light  keeps flashing and stops heating**
- To turn off the window function, press  once. Open window function and the indicator light will turn off.

Information requirements for electric local space heaters

Model identifier(s): TIW01-1000/TIW01-1000-FT					
Item	Symbol	Value	Unit	Item	Unit
Heat output				Type of heat input, for electric storage local space heaters only (select one)	
Nominal heat output	P_{nom}	1,0	kW	Manual heat charge control, with integrated thermostat	[no]
Minimum heat output (indicative)	P_{min}	1,0	kW	Manual heat charge control with room and/or outdoor temperature feedback	[no]
Maximum continuous heat output	$P_{max,c}$	1,0	kW	Electronic heat charge control with room and/or outdoor temperature feedback	[no]
Auxiliary electricity consumption				Fan assisted heat output	[no]
At nominal heat output	e_{lmax}	[no]	kW	Type of heat output/room temperature control (select one)	
At minimum heat output	e_{lmin}	[no]	kW	Single stage heat output and no room temperature control	[no]
In standby mode	e_{lsb}	0,0004	kW	Two or more manual stages, no room temperature control	[no]
Model identifier(s): TIW01-1500/TIW01-1500-FT				With mechanic thermostat room temperature control	[no]
Item	Symbol	Value	Unit	With electronic room temperature control	[no]
Heat output				Electronic room temperature control plus day timer	[no]
Nominal heat output	P_{nom}	1,5	kW	Electronic room temperature control plus week timer	[yes]
Minimum heat output (indicative)	P_{min}	1,5	kW	Other control options (multiple selections possible)	
Maximum continuous heat output	$P_{max,c}$	1,5	kW	Room temperature control, with presence detection	[no]
Auxiliary electricity consumption				Room temperature control, with open window detection	[yes]
At nominal heat output	e_{lmax}	[no]	kW	With distance control option	[no]
At minimum heat output	e_{lmin}	[no]	kW	With adaptive start control	[no]
In standby mode	e_{lsb}	0,0004	kW	With working time limitation	[yes]
				With black bulb sensor	[no]
Contact details					

Information requirements for electric local space heaters

Model identifier(s): TIW01-2000/TIW01-2000-FT					
Item	Symbol	Value	Unit	Item	Unit
Heat output				Type of heat input, for electric storage local space heaters only (select one)	
Nominal heat output	P _{nom}	2,0	kW	Manual heat charge control, with integrated thermostat	[no]
Minimum heat output (indicative)	P _{min}	2,0	kW	Manual heat charge control with room and/or outdoor temperature feedback	[no]
Maximum continuous heat output	P _{max,c}	2,0	kW	Electronic heat charge control with room and/or outdoor temperature feedback	[no]
Auxiliary electricity consumption				Fan assisted heat output	[no]
At nominal heat output	e _{lmax}	[no]	kW	Type of heat output/room temperature control (select one)	
At minimum heat output	e _{lmin}	[no]	kW	Single stage heat output and no room temperature control	[no]
In standby mode	e _{l_{sb}}	0,0004	kW	Two or more manual stages, no room temperature control	[no]
				With mechanic thermostat room temperature control	[no]
				With electronic room temperature control	[no]
				Electronic room temperature control plus day timer	[no]
				Electronic room temperature control plus week timer	[yes]
				Other control options (multiple selections possible)	
				Room temperature control, with presence detection	[no]
				Room temperature control, with open window detection	[yes]
				With distance control option	[no]
				With adaptive start control	[no]
				With working time limitation	[yes]
				With black bulb sensor	[no]
Contact details					