

TT4/5 High Power Controller

INTRODUCTION

The TT4/5 allows the switching of electrical items. It is designed to operate in conjunction with the TT2 and TT Flex switching sensors. The system is **'touchless'** and works by recognising a warm body such as a hand moving over the sensor units. When a piece of electrical equipment is plugged into the Controller, it will be activated by a simple sweep of the hand over the top of the sensor. The equipment can be switched off with a second sweep over the sensor. A 4 second delay is built in after each activation, whereby the system is inhibited during that time.

The Controller is able to operate in two different ways; the first is to work as an on/off switch and the second is a timer switch whereby after a preset amount of time the equipment that is plugged into the Controller will switch off.

The TT High Power Controller is supplied with a variety of interfaces designed to operate various types of electronic products and systems. These are fully described in the TT4/5 Technical Bulletin. Visit www.touchlesstech.co.uk/tech for more detail.

SAFETY

1. Always place the Controller on a well ventilated horizontal flat surface.
2. Never use on loads of over 8 amps.
3. Do not use in an area where volatile gases are present.
4. Do not immerse in water or use in a humid atmosphere.
5. Do not allow children to play with it as a toy.
6. Before plugging and unplugging the unit make sure it is switched off at the mains socket.
7. Do not open the unit as there are no user serviceable parts inside.
8. Ensure that all power leads are carefully placed so as not to be pulled, damaged or cause a trip hazard.
9. To avoid accidental activation, switch off when not in use.

MOUNTING

TT2 - This is designed to free stand on any flat surface (fig 5).

TT Flex - This unit fits into the desk clamp provided or alternatively it will fit into any 13mm receptacle such as an industry standard lamp spigot mount (fig 6).

HP Controller - This is designed to free stand on any flat surface. However for added security it may be fixed to any fire resistant surface on any axis using the mounting holes (fig 7). Fixings screws are not provided. Ensure that there is at least 5cm clearance between the unit and any structure.

SETTING UP

1. Insert the IEC mains lead in the socket into the Controller and plug the lead into a suitable wall socket ensuring the socket is switched OFF first (fig 1).
2. Plug the TT2 and/or the TT Flex into the Din sockets provided on the Controller. Do not force them and ensure that the pins are correctly lined up (fig 2). Either or both sockets can be used at any time.
3. Next plug in and switch ON the equipment to be controlled using the 13 amp socket provided on the Controller (fig 3).
4. Carefully place the TT2 and TT Flex sensors in a position where they cannot cause mis-triggering.
5. Turn the timer control fully CLOCKWISE (fig 4); this is now set to the ON /OFF MODE.
6. Switch on the Controller from the wall socket and the red indicator lamp should light. Also the green indicator lamp and the equipment should operate for a few seconds then go off again.

OPERATION

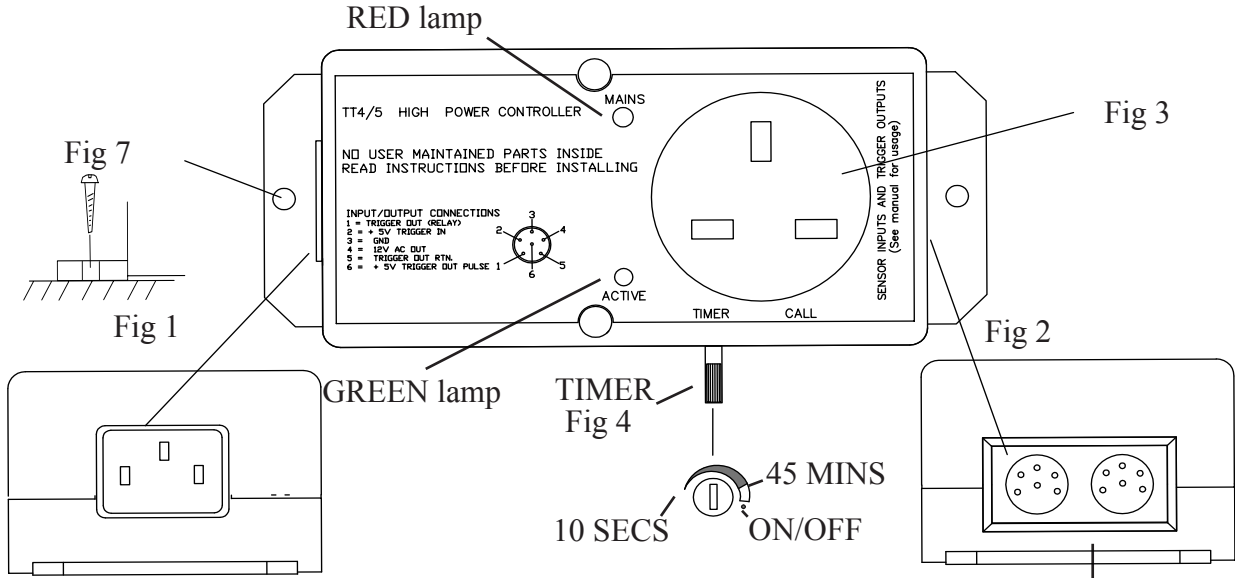
ON/OFF MODE

After setting up the TT Controller should be ready for use. Operation is simple, simply sweep your hand

over one of the sensors. This will cause the equipment to operate. A second sweep will switch it off again. For this mode, turn the timer control fully CLOCKWISE (fig 4).

TIMER MODE

The system can operate as a timer whereby once activated the equipment will operate for a pre-determined time before switching off automatically. The time can be varied from 8 seconds to 45 minutes. To achieve the correct time rotate the timer control ANTICLOCKWISE to approximately the right position and activate the Controller. A degree of experimentation will be required to achieve the desired time. The timer sequence can be reset at any time by activating one of the sensors.



WHAT'S IN THE BOX

Product	TT4 controller	TT5 controller	IEC main cable	TT2 sensor	TT Flex sensor	G clamp	Call cable kit	DIN extension 1m	DIN extension 3m
TT4 HP Control	•		•				o		
TT4a Kit	•		•	•			o	o	o
TT4b Kit	•		•	•	•	•	o	o	o
TT5 HP Control		•	•				o		
TT5a Kit		•	•	•			o	o	o
TT5b Kit		•	•		•	•	o	o	o
TT2				•				o	o
TT Flex					•	•		o	o

O = Optional Extra

The TT4 and TT5 are identical apart from the way in which the CALL output operates. This may not be used in many applications, in which instance choose the TT4 range. If you need to use an external call feature, please refer to the technical manual before selecting your product.

SPECIFICATIONS

- Quiescent state <4w
- Power input 220 - 240v AC 50-60 Hz
- Dust & waterproofing - Controller IP60 (TT2/TT Flex IP64)
- Maximum load 8 amps at 230v
- Humidity up to 75%
- Temperature 5-35°C
- Safety standard EN60335-1 : 2002
- Emissions Standard EN 55014-1:2006 (< 15mhz)
- Susceptibility Standard EN 55014-1997

