

## INSTALLATION & OPERATING INSTRUCTIONS

**IMMERSION HEATER TIMER    IHT/ T (GPT/T)    24 HOUR**  
**IHT/ W (GPT/W)    7 DAY**

### INSTALLATION – GENERAL NOTES:

1. INSTALLATION SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT EDITION OF THE I.E.E. WIRING REGULATIONS
2. THE TIMER SHOULD NOT BE MOUNTED ON AN UNEARTHED METAL OR METALLISED SURFACE.
3. IF THE TIMER IS TO BE CONNECTED TO AN APPLIANCE THAT IS REQUIRED TO BE EARTHED THE SUPPLY EARTHING CONDUCTOR AND THE APPLIANCE EARTHING CONDUCTOR SHOULD BE TERMINATED TOGETHER IN THE EARTH TERMINAL PROVIDED WITHIN THE TIMER.
4. IT MUST BE ENSURED THAT THE BRASS INTER-CONNECTING LINK IS CORRECTLY POSITIONED AND RETAINED IN THE TERMINALS DURING CONNECTION OF THE SUPPLY CONDUCTORS ( applicable to types IHT/T & IHT/W).
5. WHEN CUTTING OUT THE REQUIRED APERTURES IN THE COVER / CORDS IT SHOULD BE ENSURED THAT NO SHARP EDGES REMAIN.
6. ALL TERMINALS ARE SUITABLE FOR FIXED CABLES, AND FOR FLAXIBLE CABLES OR CORD.

### INSTALLATION PROCEDURE

1. SWITCH THE SUPPLY OFF AT THE MAINS. MEANS OF DISCONNECTION FROM THE SUPPLY HAVING AT LEAST 3mm CONTACT SEPARATION IN ALL POLES MUST BE INCORPORATED IN THE FIXED WIRING MAINS SUPPLY.
2. LOOSEN SCREWS (a) AND SEPARATE HOUSING FROM TIMER BASE. PULL TIMESWITCH MODULE OFF BACKPLATE. OFFER BACKPLATE TO MOUNTING LOCATION AND MARK FIXING POINTS b,c, AND d. DRILL WALL FOR SCREW FIXINGS. FIX BACKPLATE TO WALL. PUSH TIMESWITCH MODULE ONTO BACKPLATE, ENSURING GOOD ENGAGEMENT OF TAB TERMINALS WITH RECEPTACLES.
3. BARE WORES FOR 6mm (1/4inch) MAXIMUM; INSERT INTO TERMINALS AND SECURE WITH THE SCREWS, IN ACCORDANCE WITH CIRCUIT DIAGRAM LABEL BENEATH TERMINALS.
4. SECURE CABLES / CORDS WITH CLAMP PROVIDED AND CHECK ALL WIRING (see figure 4). NOTE: MAINS SUPPLY USING FIXED WIRING DOES NOT NEED TO PASS THROUGH CLAMP.
5. CUT OUT CABLE ENTRIES ON UNDERSIDE OF HOUSING AS NECESSARY TO ACCOMMODATE CABLES / CORDS. PLEASE REFER TO 4 ABOVE.
6. REFIT HOUSING TO TIMER BASE.
7. SWITCH ON MAINS.

### INSTALLATION AS GENERAL PURPOSE TIMER

REMOVAL OF THE “BRIDGE WIRE” BETWEEN TERMINALS 2 AND 3 ENABLES THE TIMER TO BE USED AS A GENERAL PURPOSE TIMER, SINCE THE SWITCH IS THEN ELECTRICALLY SEPARATE FROM THE MAINS INPUT TO THE MOTOR. THE SWITCH CAN THEN BE USED TO CONTROL A SEPARATE CIRCUIT. WHEN INSTALLING AS A GENERAL PURPOSE TIMER, FOLLOW INSTRUCTIONS 1. AND 2. ABOVE, THEN SLACKEN SCREWS TO TERMINALS 2 AND 3 AND REMOVE BRIDGE WIRE; AFFIX GENERAL PURPOSE TIMER WIRING DIAGRAM PROVIDED OVER EXISTING IHT WIRING LABEL; WIRE IN ACCORDANCE WITH GENERAL PURPOSE DIAGRAM, THEN FOLLOW INSTRUCTIONS 4. TO 7. ABOVE.

### SETTING UP

ROTATE MINUTE HAND UNTIL ARROWHEAD ON CLOCK FACE, ALIGNS WITH CORRECT TIME ON OUTER DIAL. I.e. 8 = 8.00 a.m., 18 = 6.00 p.m. (see figure 1). WHEN SETTING UP SEVEN DAY VERSION (IHT/W, GPT/W), ALIGN CORRECT TIME ON OUTER DIAL, WITHIN CURRENT DAY SECTOR OF DIAL. NOTE: WEEKDAYS ARE PRINTED IN ABBREVIATIONS OF THREE LANGUAGES. TWENTY – FOUR HOUR (IHT/T, GPT/T), MINIMUM SWITCHING TIME: 15 MINUTES. SEVEN DAY (IHT/W, GPT/W) MINIMUM SWITCHING TIME: 2 HOURS. TO SET ON/OFF TIMES, MOVE ALL TAPPETS BETWEEN ON AND OFF TIMES REQUIRED POSITION I.e. TO SET ON AT 8.00 a.m. AND OFF AT 11.00 a.m. MOVE ALL TAPPETS TO OUTER POSITION (see figure 2): SET ANY OTHER ON/OFF TIMES IN A SIMILER MANNER.

**MANUAL SWITCH – IMMERSION HEATER TIMER (IHT/T & IHT/W) ONLY.**

1. THE MANUAL SWITCH CAN BE MOVED TO OVERRIDE THE TIMED SELECTION:
2. IN POSITION 1 THE TIMESWITCH IS PERMANENTLY ON IRRESPECTIVE OF TAPPET POSITIONS.
3. IN POSITION 2 THE TIMESWITCH IS OPERATING ON TIMED CONTROL AND WILL SWITCH ON AND OFF AS DETERMINED BY TAPPET POSITIONS.
4. IN POSITION 3 THE TIMESWITCH IS PERMANENTLY OFF IRRESPECTIVE OF TAPPET POSITIONS.
5. THE MANUAL SWITCH MUST BE RETURNED TO POSITION 2 TO RESTORE THE TIMED FUNCTION.

See figure 3 FOR DISGRAM OF SWITCH SELECTIONS.

**MANUAL SWITCH – GENERAL PURPOSE TIMER (GPT/T AND GPT/W)**

THE TIMER INCORPORATES A CHANGEOVER SWITCH. THEREFORE, WHEN IN USE AS A GENERAL PURPOSE TIMER, THE MANUAL SWITCH FUNCTIONS AS FOLLOWS:

- IN POSITION 1, THE TIMESWITCH WILL GIVE PERMANENT OUTPUT ON TERMINAL 4.
- IN POSITION 2, THE OUTPUT WILL SWITCH BETWEEN TERMINALS 4 & 5, AS DETERMINED BY TAPPET POSITIONS.
- IN POSITION 3, THE TIMESWITCH WILL GIVE PERMANENT OUTPUT ON TERMINAL 5.
- THE MANUAL SWITCH MUST BE RETURNED TO POSITION 2 TO RESTORE THE TIMED FUNCTION.

