



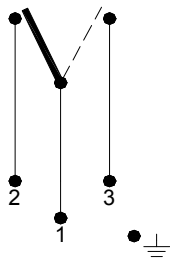
# MYSON

## MCT1: Hot Water Cylinder Thermostat, Installation Instruction.

### TECHNICAL DATA.

Function:	Control of stored hot water temperature by electrical switching of control circuit.
Construction:	Electro Mechanical Switch, (S.P.D.T.)
Supply Voltage:	230V~, 50Hz.
Switch Rating:	15(2.5)A
Earthing:	Earth terminal provided
Enclosure Protection:	IP20.
Pollution Situation:	Normal.
Max. Mounting SurfaceTemp.:	100°C.
Operating Range:	10 to 90 °C.
Switching Differential:	5 to 10°C.
Installation Details:	See wiring diagram below and installation instructions overleaf.

### WIRING.

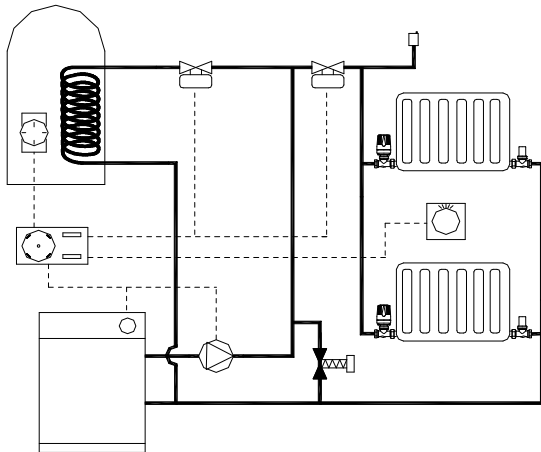


Terminal 1 : COMMON feed.

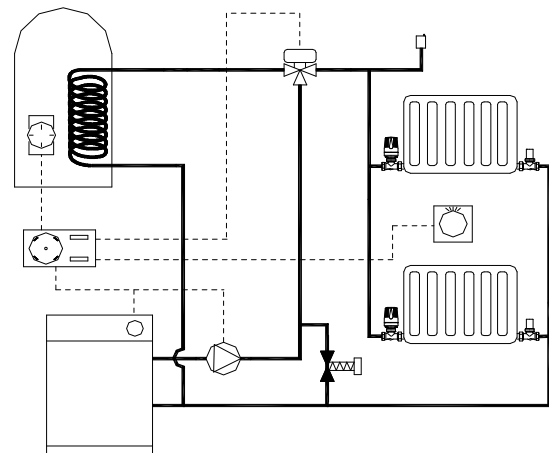
Terminal 2 : (N.C.) CLOSED when the water temperature is below the selected set point.  
( Terminal 2 opens when the selected temperature is reached )

Terminal 3 : (N.O.) OPEN when the water temperature is below the selected set point.  
( Terminal 3 closes when the selected temperature is reached )

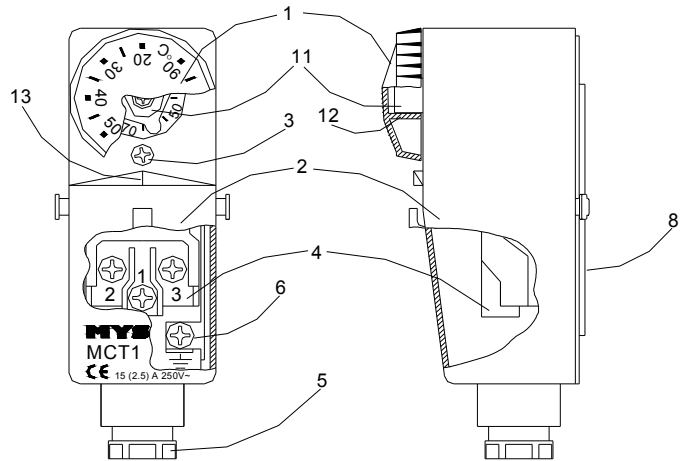
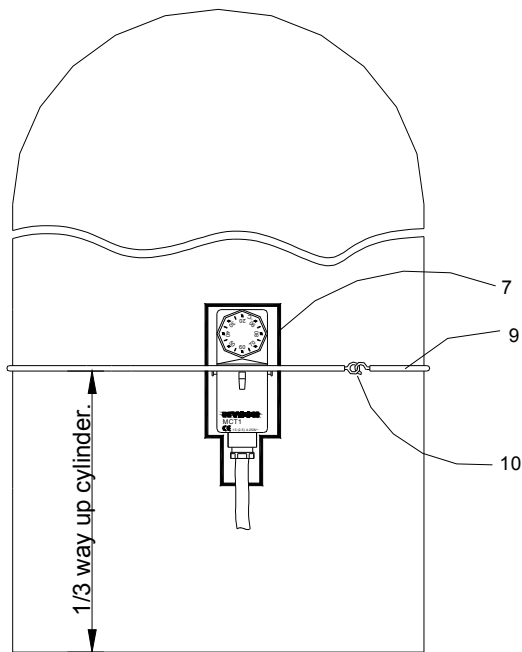
⊥ : SAFETY EARTH TERMINAL.



Typical Fully Pumped Zone Valve System.

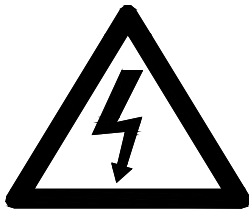


Typical Fully Pumped Diverter/Mid-Position Valve System.



- |                    |                                     |
|--------------------|-------------------------------------|
| 1: Dial.           | 7: Cut-away in cylinder insulation. |
| 2: Cover.          | 8: Thermostat sensing element.      |
| 3: Cover screw.    | 9: Securing cord.                   |
| 4: Chassis.        | 10: Eye and hook.                   |
| 5: Cable gland.    | 11: Spindle.                        |
| 6: Earth terminal. | 12: Hub.                            |
|                    | 13: Set-point marker.               |

### PRECAUTIONS AGAINST ELECTRIC SHOCK HAZARD.



Disconnect mains supply before removing cover.

Installation & maintenance must be carried out by suitably qualified personnel and in accordance with current IEE wiring regulations.

This device must be electrically earthed via the earth terminal provided. Fixed wiring installation must be employed. A class 'A' switch, (having contact separation of at least 3mm in all poles) must be incorporated in the fixed wiring as a means of disconnecting the supply.

Use a fuse rated at 3 amps to protect the system.

### INSTALLATION INSTRUCTION.

- Remove the dial (1) from the cover (2) by inserting the blade of a small screwdriver between them and prising them apart.
- Undo the cover screw (3) and remove the cover from the chassis (4).
- Route the cable through the cable gland (5).
- Wire according to the wiring diagram overleaf.
- Ensure that you connect the earth wire to the earth terminal (6).
- Replace the cover and cover screw.
- Replace the dial, ensuring that the flat of the dial hub (12) aligns with the flat of the spindle (11)
- Tighten the cable gland so that it firmly anchors the cable.
- Choose a location for the thermostat which is approximately 1/3 of the way up the cylinder
- Locally cut away the cylinder insulation (7) so that the sensing element of the thermostat (8) is in intimate contact with the copper wall of the cylinder.
- Fit the thermostat into the cut-away.
- Cut the securing cord (9) to length. Fit the eye and hook (10) to the cord.
- Wrap the cord around the cylinder to secure the thermostat firmly to the copper wall of the cylinder.
- Set the thermostat to the desired temperature by rotating the dial so that the temperature on the dial coincides with the setpoint marker (12). The recommended setting is 60 °C to reduce the risk of both scalding, and growth of legionella bacteria in stored water. (See Good Practice Guide 302).



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SC1983: Revision 3

