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MV Rotary Control

Instruction Manual

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Operation Instructions

Rotary Control – Old Style

Turn the control switch knob clockwise and the power indicator (green LED) will come on. The heater will then begin to run according to the temperature set by the control knob. The time delay in the start stage from fuel supply to fuel pump is 45 seconds.

After the combustion is ignited, you can regulate the temperature by turning the control knob accordingly.

Push the grey button to turn the indicating light red, putting the heater into thermostatic mode (this mode works best using the remote temperature sensor probe, part no: A25Z-045). Adjust the knob accordingly to set the temperature. When the heater reaches the desired temperature it will automatically shut down. To switch back to the variable output mode, simply re-press the grey mode transfer button.

To turn the heater off manually, turn the knob anti-clockwise to position '0'. Three seconds after, the indicator light will go out. The fuel pump will shut down immediately but the fan will continue to run for 180 seconds.

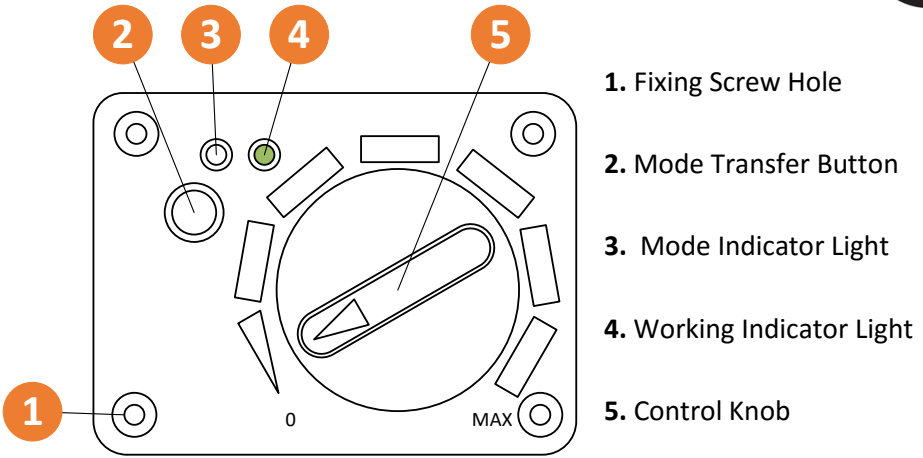


Figure I

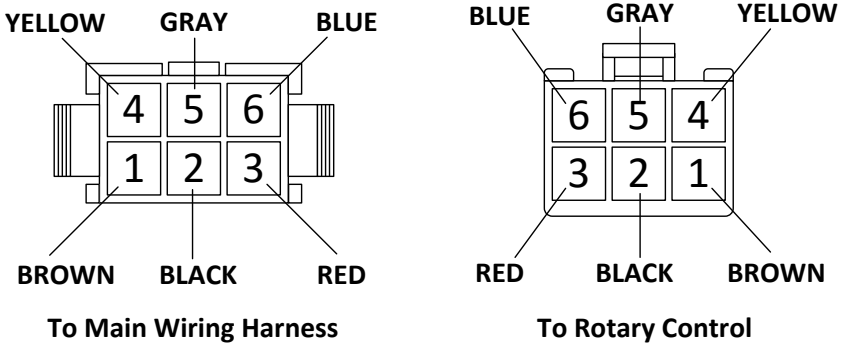


Figure II



Fault Finding

During use the heater may become unable to start normally or die out after start up. You should then turn the heater off for at least 5 seconds by turning the control knob anticlockwise to position '0' and then restart the heater.

Circuit troubles may be caused by different reasons, such as corrosion of contacts, wires and fuses and terminals or poor/wrong contact of wires and connectors. You should regularly check these troubles to ensure good maintenance of the heater.

The main reasons for troubles will be indicated by the green LED flashes on the control switch. Count the number of **long flashes** to identify the problem.

Number of Long Flashes	Cause of Problem
1	Failure of second start
2	Termination of the fifth time of combustion
3	Voltage out of specified range
4	Flame sensor temperature too high in the start period
5	Flame sensor: Broken or short circuit
6	Temperature sensor: Broken circuit or short-circuit
7	Fuel pump: Broken circuit or short-circuit
8	Fan motor: Broken circuit, short-circuit or clogged
9	Glow pin: Broken circuit or short-circuit
10	Overheated
11	Overheat sensor: Broken circuit or short-circuit
12	Control switch: Broken circuit or short-circuit