Resource Data Management


**PR0723**

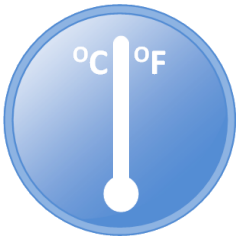
# Trim Heater Triac Module Installation & User Guide


Resource Data Management

UK OFFICE
Resource Data Management Ltd.
80 Johnstone Avenue,
Hillington Industrial Estate,
Glasgow, Scotland, G52 4NZ, UK
☎+44(0)141 810 2828
✉sales@resourcedm.com

US OFFICE
Resource Data Management USA Inc.
100 North 6th Street,
Suite 630B,
Minneapolis, MN 55403, USA
☎ +1 612 354 3923
🖷 +1 612 208 0922
✉usasales@resourcedm.com

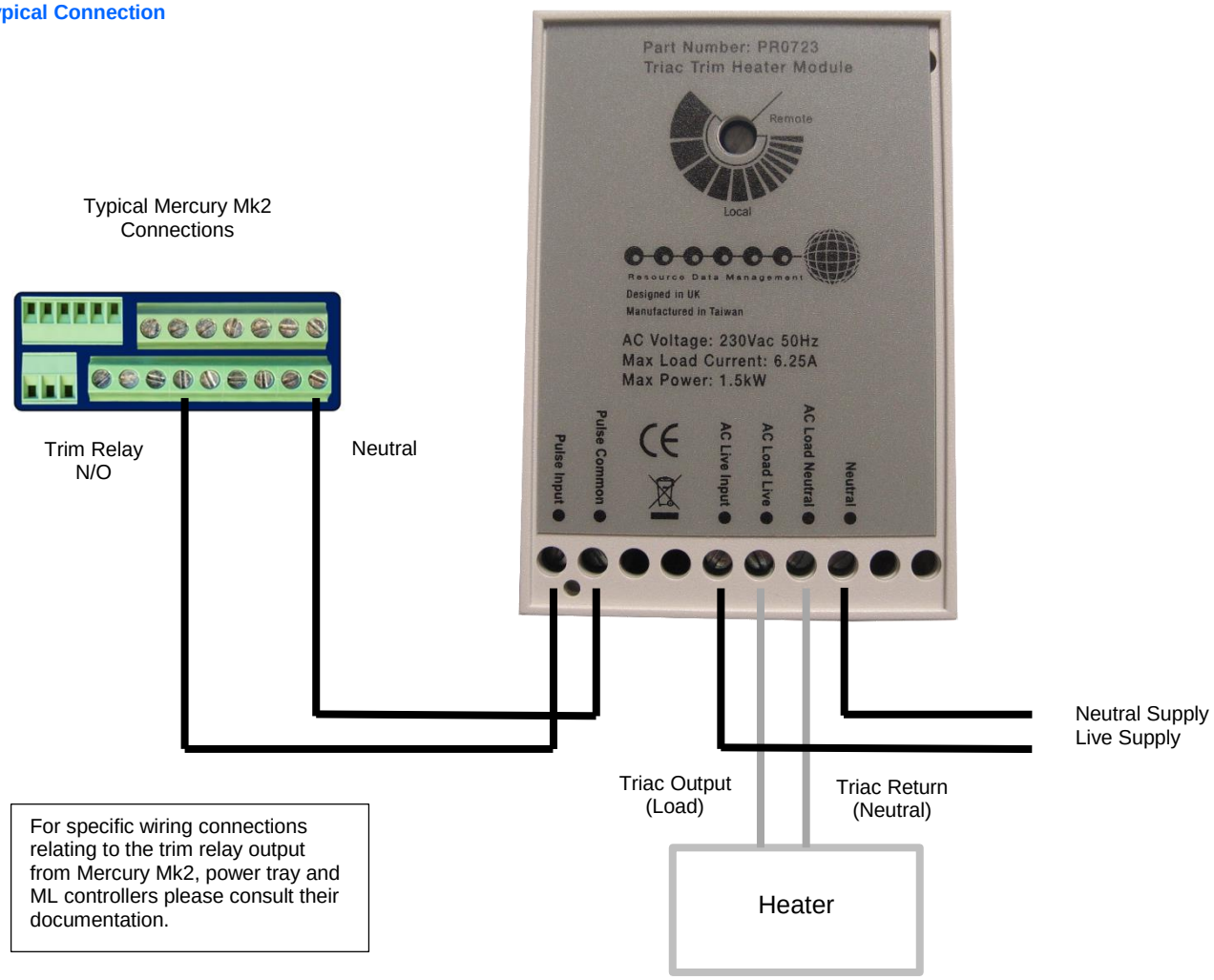
www.resourcedm.com

## Trim Heater Triac Module (PR0723)

This energy saving module can either be fitted between the trim control relay of the likes of a Mercury Mk2, Powertray or ML and the Display Case trim heater or work solely connected to the trim heater. The module can be set to one of two modes; Remote or Local. When using the local control setting, the output to the trim heater is fixed at a set level. Thus allowing energy saving to occur even without an RDM controller present in the refrigeration case. The other, remote, samples the pulsed output from a controller's relay and sets the triac's output to the appropriate level. This triac method of control provides a smoother power distribution than a pulsed method, as it switches at the zero voltage point.

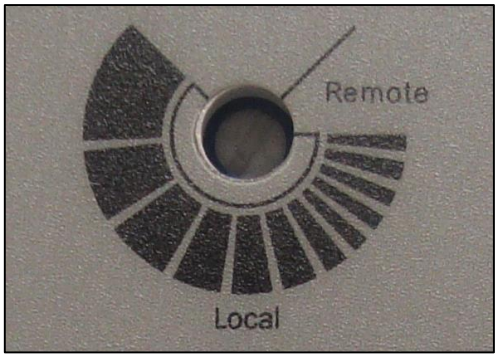
### Typical Connection




For specific wiring connections relating to the trim relay output from Mercury Mk2, power tray and ML controllers please consult their documentation.

### Local Control

On the Triac module, there is a dial located on the front which can be turned to the 'local' positioning.




The local selection is a variable setting which increases by turning the pot/ dial clockwise. The thickness of lines surrounding the dial represents the scale, ranging from 10% (thinnest line) to 100% (thickest line). Once set the output of the module will remain at this fixed value.

## Remote control

By turning the dial to the ‘remote’ setting (achieved by turning the dial fully anti-clockwise) will cause the output to vary according to the pulsed output, sampled from the trim relay of the case controller. When first powered on the first sampling period of the triac output will be fixed at 50%. It will then sample the pulsed output from the trim relay and calculate the steady output to the trim heaters on the cabinet.

## Specification:

| | |
|---|---|
| Pulse detect Input (Pins 1&2): | 24 -240 Vac |
| Triac Output (Load): | 240 Vac,<br>6.25A,<br>1.5kW |
| Dimensions: | H – 110mm<br>W – 55mm<br>D – 75mm |
| Mount: | DIN Rail |

## Disclaimer