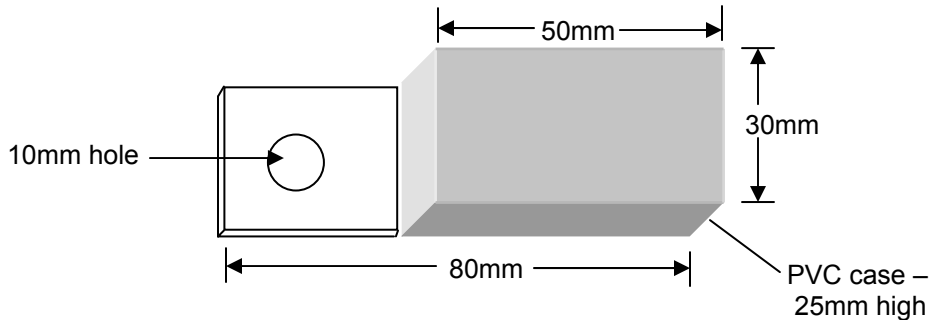


# RINGWAY

## CONTROL AND AUTOMATION

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# TEMP7090



The Ringway Temp7090 is an economical digital temperature-monitoring device with two temperature set points. The device has normally closed interlocks, which open nominally at 70 and 90 degrees Celsius respectively. The device is housed in a PVC enclosure and fully is encapsulated in epoxy resin.

The device has a copper sensing tab with a 10mm clearance hole for attachment directly to the surface or material to be monitored.

The switch interlocks are bi-metal operated SPST and are good for up to 100,000 operations.

### **Typical Use:**

The device can be used to monitor bearing, gearbox and motor surface temperatures or may be immersed in liquids.

The differential opening temperatures can be used to provide an alarm and a trip point for each point being monitored.

Because the switch elements are simple devices they are suitable for interface to intrinsically safe monitoring systems or connection to a PLC via barrier for hazardous area applications.

### **Other Temperatures:**

Other temperatures and or pairings are available in 10 degree increments up to 110 degrees on request.

### Technical Specifications:

- 1: Contacts: Snap bi-metal operation SPST and auto resetting.  
Gold plated silver contacts.  
1A @ 120V ac or 48V dc - (30,000 operations)  
20mA @ 5V dc - (100,000 operations)
- 2: Operation: Plus or minus 5 degree tripping. Minimum 4 degrees hysteresis on reset.
- 3: Connection: Electrical connection is via a 1500mm 4 core flying lead.  
Blue/Green – 70deg Switch  
Red/Yellow – 90deg. Switch

