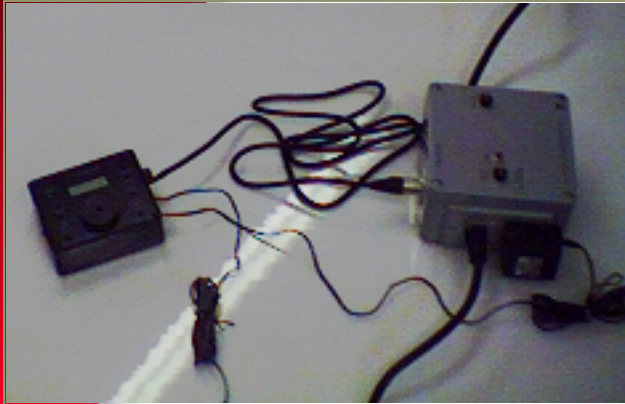


Model 50103

## Over-Under Temperature Protector

Added Protection For Sensitive Equipment



### 50103 Features

- > *Current Rating 15A, 1/3 HP*
- > *Temperature Range -50°C to +50°C*
- > *Protection completely independent of bath controls*
- > *Visual status indicators*

**G**uildline 50103 Over-Under Temperature Protector serves to protect fixed-temperature or programmable-temperature fluid baths from straying out of a pre-defined temperature range due to a malfunction of the bath temperature control.

This protection device requires a free space on a flat surface of 40 cm (16 in.) wide by 25 cm (10 in.) deep, and within 3 m (10 ft.) of the fluid bath. The power cord from the fluid bath is plugged into the BATH POWER receptacle of the 50103, which in turn is plugged into a suitable 120 VAC line or output receptacle of the 50101 Voltage adapter.

The Model 50103 is capable of connecting or disconnecting up to a 15 A resistive load or up to a 1/3 HP inductive load.

***The 50103 provides a second level of control and protection for sensitive equipment operating in the 5010 fluid bath.***

The Hampshire Controls T<sup>o</sup> Sentry Model 125 Digital Alarm Module provides temperature monitoring. This monitoring module operates over a temperature range of -50 °C to +50 °C. The lower and upper alarm limits have been factory set to 20 °C and 30 °C respectively. The operation of the T<sup>o</sup> Sentry is covered in the Hampshire Controls T<sup>o</sup> Sentry Model 125 Digital Alarm Module Operating Instructions Manual.

# 50103 Over-Under Temperature Protector

## 50103 Specifications

<b>Monitoring Temperature:</b>	Range -50 °C to +50 °C Resolution 0.1 °C Accuracy ±0.2 °C
<b>Controlling Power:</b>	Supply Voltage 115 ±15% V Maximum Load 15 A (resistive) 1/3 HP (inductive)
<b>Dimensions:</b>	
<b>Temperature Protector:</b>	H11.3cm (4.5in) W18cm (7in) D16cm (6.3in)
<b>Temperature Monitor:</b>	H10.8cm (4.25in) W12.7cm (5in) D4.5cm (1.75in)
<b>AC Adapter:</b>	H6cm (2.4in) W5cm (2in) D4cm (1.6in)
<b>Weight:</b>	Temperature Protector 2kg (4.5lb) Temperature Monitor 0.5kg (1 lb) AC Adapter 0.3kg (0.6lb)

## 50103 Ordering Information

50103 Over-Under Temperature Protector  
TM50103 Technical Manual (included)

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