

# Prism Heater User Guide

## Warnings

- To avoid the risk of burns, **DO NOT** touch the prism plate during operation
- **DO NOT** immerse the prism heater in water
- **AVOID** use of highly volatile solvents, clean the heater only with isopropyl alcohol or equivalent

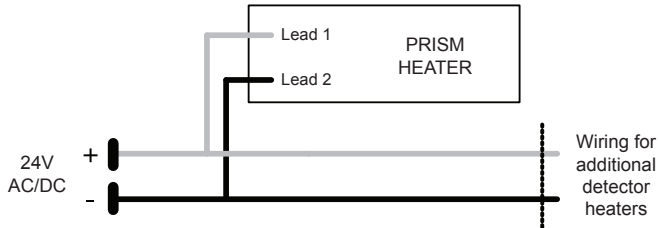
## Application

Condensation forming on the prisms can result in false fire activations. The prism heater will reduce the likelihood of condensation by maintaining the prism at a higher temperature than the surrounding air. To conserve power, it is advisable to switch the heater off at times when condensation is not expected.

## Mounting

- Single prism **MUST** be fixed on the **CENTRE** of the bracket; otherwise heater performance will be compromised.
- Prism bracket should be mounted on a solid structural surface.
- Beam detector **MUST** be realigned after prism bracket installation (refer to system user guide for alignment process).

## Wiring



## Note:

- The heater leads are not polarity dependant.

## Specifications

Operating voltage	24 V AC/DC
Power consumption at 24V	20 W
Typical operating current at 24V	0.8 A
Recommended fuse rating	2A
Operating temperature	-10°C to +35°C

## Heater Performance

Time taken to reach peak temperature	30 mins
Average temperature increase of prisms above ambient	10°C

