



# BLR100 RELAY BASE INSTALLATION INSTRUCTIONS

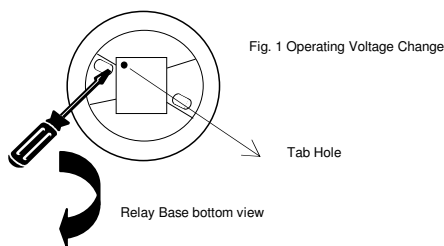


## GENERAL DESCRIPTION

These Relay Bases are designed for use with the conventional AURORA detector range. The relay base helps provide simple connection of AURORA detectors to security panels (12VDC) or other non-standard systems, or to allow direct activation of external devices when connected to standard (24VDC) fire alarm panels.

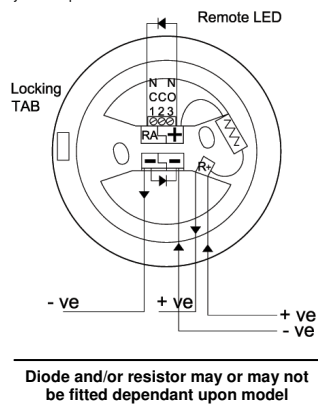
### WARNING

When supplied the base is configured for use on 12VDC circuits, but it is easily changed to operate on 24VDC systems by breaking the tab accessible via the small circular hole at the rear of the base using a suitable tool. (Fig. 1)



**CAUTION**  
Electrostatic Sensitive Device  
Observe precautions when handling and making connections

Fig. 2 Relay Base top view



### TECHNICAL SPECIFICATIONS

System supply voltage	24Vdc (e.g. Fire Panel ) Tab must be broken 12Vdc (e.g. Security panel) Tab not broken
Stand by current (12V)	1,5 uA max (Detector current not included)
Stand by current (24V)	3 uA max (Detector current not included)
Alarm current (12V)	14 mA max (Detector current not included)
Alarm current (24V)	17 mA max (Detector current not included)
Output relay contacts (Fig. 1)	1 Normally Closed 2 Common 3 Normally Open
Contact ratings	1A 30Vdc
Contact activation time	10 msec From latch of detector
Contact release time	10 msec From reset of detector
Contact resistance	100 milliohm
Relay Terminations	Accept wire max 1,5mm <sup>2</sup>
Diameter	110mm
Height	27mm
Weight	100g
Mounting	Two screws direct to ceiling or to suitable electrical box
Base Terminations	Clamping plates accept wire max 2,5mm <sup>2</sup>
Base fixing centres	50 - 60mm
Operating humidity range	10% to 95%RH
Operating temperature	-30°C to +70°C
Storage temperature	-30°C to +85°C

### WARNING

When switching inductive load, in order to protect the module from surges caused by back emf as the load is switched, it is important to protect the relay contacts.

A diode with a reverse breakdown voltage of at least ten times the circuit voltage (dc application only), or a varistor (ac or dc applications) should be connected across the load.

### WARRANTY

All sensors are supplied with the benefit of a limited 3 Year Warranty relating to faulty materials or manufacturing defects effective from the production date indicated on each product. This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage. Product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified. Full details on our Warranty & Products Returns Policy can be obtained upon request.

