Installation Guide

Sentinel™ AN-24V-4C
Annunciation Relay

- **24V DC powered**
- **4 inputs**
- **4 latching LED's**
- **4 dual output contacts**
- **Remote reset**

Please read safety instructions carefully

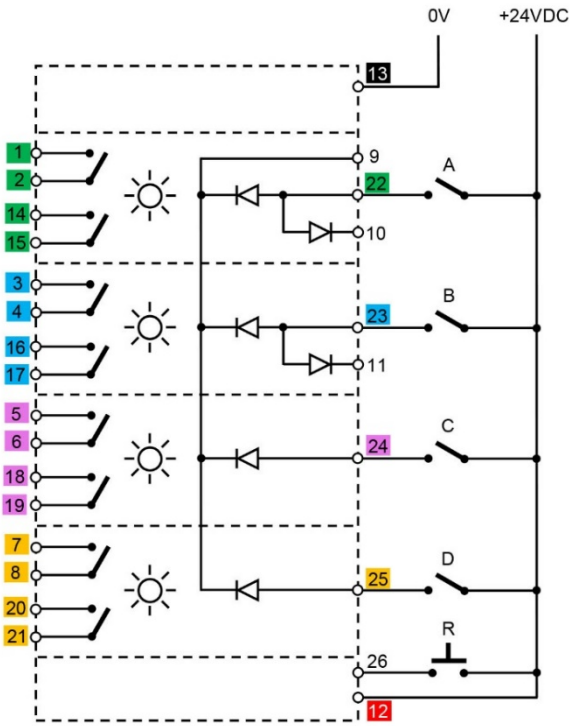
INSTALLATION INSTRUCTIONS

DESCRIPTION

The AN-24V-4C annunciator relay monitors up to four external relay contacts and provides auxiliary trip indications for local and remote signalling. Each of the four inputs is repeated via a pair of static relay output contacts as well as via a latching LED indicator. The relays are self-resetting, whilst the LED's can be reset locally via a pushbutton or by remote input. The relay also features three diode tripping circuits.

INSTALLATION

The AN-24V-4C annunciator relay is panel mounted (see cut-out diagram below) and has 26 screw terminals accessible from the back of the enclosure. Multicore wiring should be crimped with spade lugs of maximum width 2.2mm. The relay needs to be powered via an uninterruptible 24V DC power supply. The input contacts are whetted via the power supply and connected to the input terminals.



A, B, C, D	External relay contact
R	Remote trip contact
10, 11	Direct trip outputs
9	Direct Common trip output

TECHNICAL DATA

General:

Rated voltage:	24V DC ±20%
Operating temperature:	-10°C to +55°C
Pickup time:	<10ms
Degree of protection:	IP40

Screw terminals:

Spade lug max. width:	2.2mm
Screwdriver max. width:	3mm

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Power consumption:

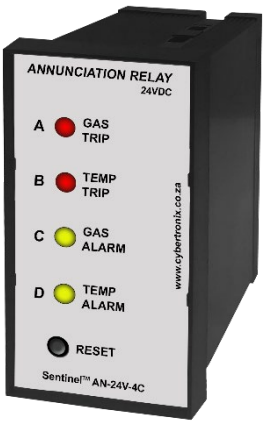
Quiescent current:	0.1mA
Per energized relay:	25mA
Per latched LED:	2.5mA

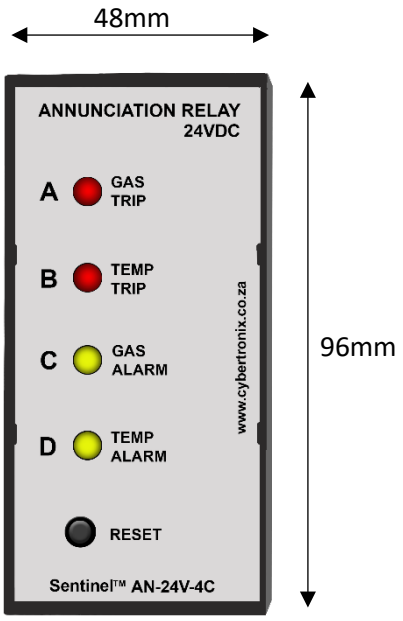
Relay contacts:

Maximum voltage:	24VDC
DC breaking capacity:	0.5A at 24VDC
DC making capacity:	8A at 24VDC

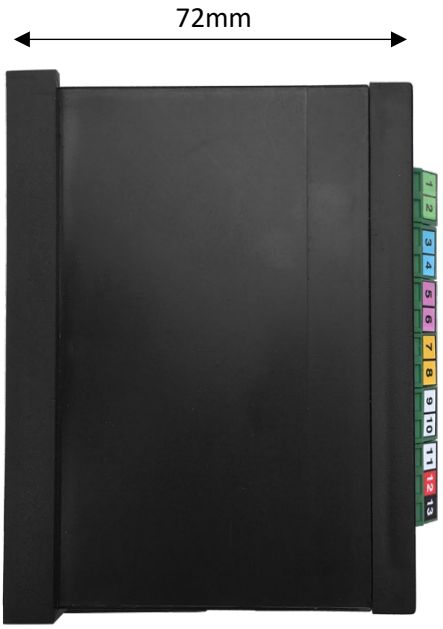
DIMENSIONS & MODELS

Sentinel™ AN-24V-4C Annunciation Relay - Vertical Mount

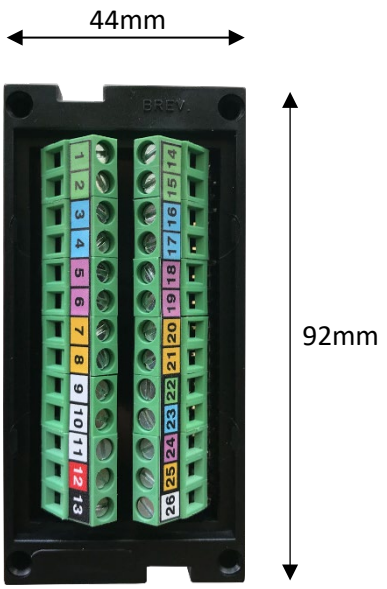




Front view

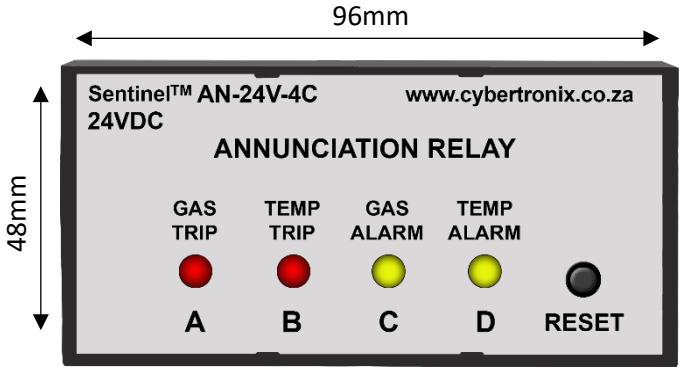


Side view
(Depth)



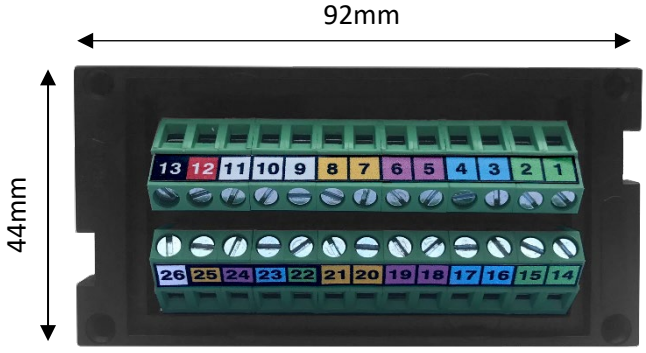
Rear view
(Panel cut-out)

Sentinel™ AN-24V-4C Annunciation Relay - Horizontal Mount



Front view

Top View



Rear view
(Panel cut-out)

WARNING: Under certain fault conditions, high voltages can be conducted or induced into the annunciator module.
All parts within the enclosure should be handled as if carrying dangerous voltages.

WARNING: Use extreme caution during the installation and use of the annunciator module as high voltages and currents may be present in the circuit.