

INSTALLATION INSTRUCTIONS IDENTIFIRE

Wide Voltage Relay (Part Code 10-2910XXR-S)

General

The Wide Voltage Relay provides two volt free contacts to control / interface other equipment from both 12V or 24V Fire Alarm Panels and Security Systems. These devices can be connected to a Fire Alarm sounder circuit (local regulations permitting) without affecting the sounder circuit EOL monitoring. The relay can also be used as a general purpose relay and triggered at voltages between 10Vac-20Vac and 10-30Vdc supply. When the trigger signal is applied across TB31/TB32 both relay contacts will change state. The trigger signal is replicated out of TB61/TB62 allowing the trigger signal to be daisy chained.

Specification

Model	10-2910XXR-S
Contact Rating	5A @ 30V
	8A @ 230Vac
Trigger Voltage (Minimum)	10Vac/dc
Trigger Voltage (Maximum)	20Vac/30Vdc
Trigger Current (10V)	37mA
Trigger Current (30V)	74mA
Ingress Protection	IP21
Cable Entries (Surface)	4 off 20mm round, 1 off rectangular
Terminals	0.5mm ² - 2.5mm ² cables
Operating Temperature	-5°C to +50°C
Operating Humidity	95% non-condensing
Material	Fire rated ABS

Installation

If installing a surface backbox, fit the back box with the twin 20mm knockouts in the vertical plane either at the top or bottom as appropriate to the installation. Remove the required knockouts and fit the box to the building substrate (Note: Mounting screws not supplied). Once installed use appropriate glands if required by the local installation code of practice prior to installing the cables. Terminate cables as per the Wiring section.

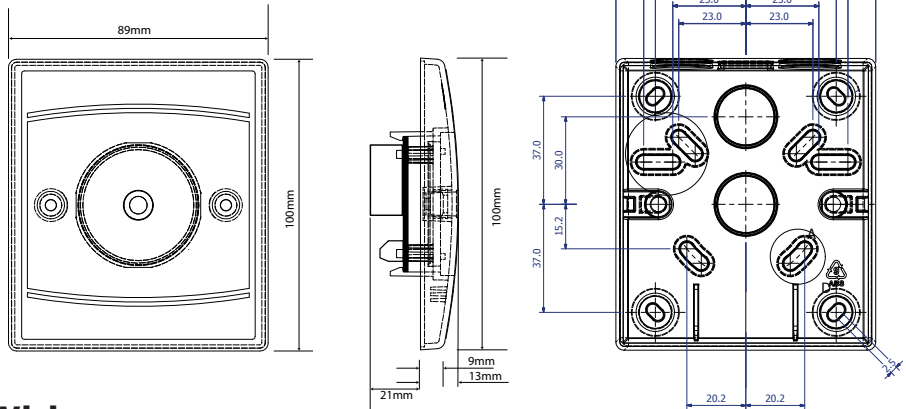
NOTE: This product is designed for switching mains so appropriate electrical safety according to local regulation should be adopted.

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Mechanical Information



Wiring

Additional terminal blocks TB41 & TB42 which are connected together for Neutral wire termination on single pole mains switching. TB51 & TB52 are connected together for common Earth. Once the cables have been wired to the front-plate, then the front-plate should be screwed to the surface backbox or recessed backbox depending upon the installation using the supplied screws (fitted to frontplate)

Note: Mains Cable and Low Voltage Cables must not be in the same conduit.



TB11 & TB21 - NO
TB12 & TB22 - C
TB13 & TB23 - NC

Relay
Un- Powered

