

# Transformer Rectifier 24v Door Retainer Datasheet

## Power Supply Units

### Product Overview

The Transformer Rectifier (TR) range has been specifically designed for fire and access control applications that require remote control of the power supply output.

The enhanced TR range of power supplies have been specifically designed for access control applications that require remote control of the power supply output. TR power supply units are typically used to power door retainers with a link to the fire panel in order to switch off the output to the doors upon the activation of a fire alarm.

The units have an expanded range of input options which includes the detection of a normally closed contact going open to provide a fully fail safe operation mode.

The three input options for remote control of the output are as follows:

- Opening of a normally closed volt-free contact
- Closing of a normally open volt-free contact
- Application of an external 24V dc supply such as a sounder circuit

LED status indicators provide quick diagnostics showing the presence of a mains input and output fuse failure.



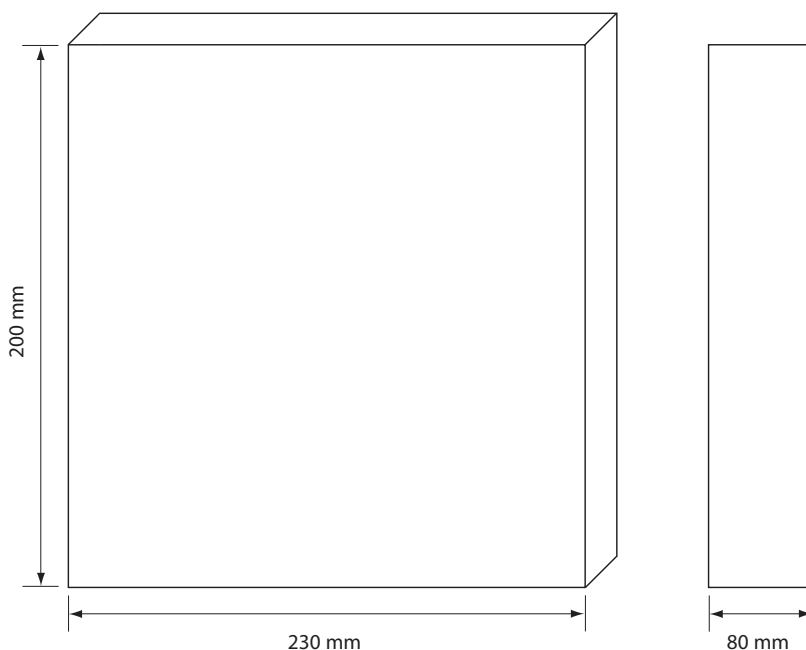
### Key Features

- Remote control of output
- Choice of switching options
- LED indication
- Mains transient protection
- Fail safe operation

# Specification

	TR 2amp	TR 4amp
<b>Input</b>		
Voltage	230Vac, 50Hz nominal	
Current	290mA maximum	500mA maximum
Mains input fuse	T0.5A 20mm, 250Vac HBC	T1.0A 20mm, 250Vac HBC
<b>Output</b>		
Voltage	22- 30vdc dependent on load	
Load Current	2A maximum	4A maximum
Load output fuse	F2A 20mm, 250Vac glass	F4A 20mm, 250Vac glass
<b>Mechanical</b>		
Case material	1.2mm steel, white powder coated	
Dimensions (HxWxD)	200 x 230 x 80mm	
Weight	3.0Kg	3.5Kg
<b>Environmental</b>		
Temperature - operating	-10 to +40 OC 95%	
Temperature - storage	-20 to +80 OC	
<b>Connections</b>		
DOOR + and -	Switched _24v to door retainer magnet	
Control Contact	Open circuit = PSU output ON Short circuit = PSU output OFF	
Ext Supply + and -	Apply +24vdc to switch OFF PSU output	
<b>Indicators</b>		
Green LED	Mains present	
Amber LED	Output fuse blown	

## Dimensions



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### DESCRIPTION

2amp 24vdc Door Retainer Power Supply

4amp 24vdc Door Retainer Power Supply

### ORDER CODES

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