

100VRMS Strobe Interface

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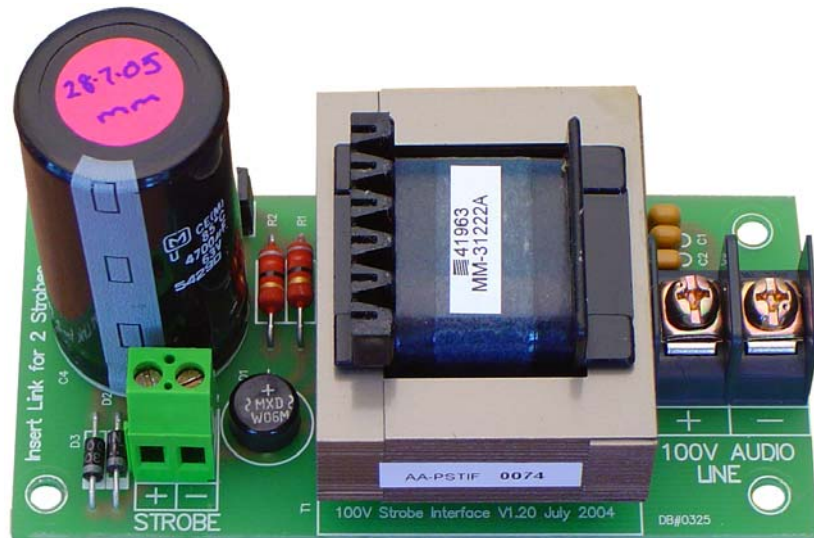


ISO 9001: 2008

International Standards
Certifications
QAC/R64/0012

Product Overview:

The Pertronic **100VRMS Strobe Interface** board allows System Sensor SpectraAlert strobes to be connected to Pertronic 100VRMS Amplifier Audio Lines:



Specifications:

Electrical:	Operating Voltage 100V (100V Audio Line)	Strobe Voltage 24Vdc (nominal)	Power Consumption 5W - 2 x Strobes per Interface 3W - 1 x Strobe per Interface	
Environmental:	Operating Temperature Range 0 to +40°C		Humidity 10 to 95% RH (non-condensing)	
Mechanical:	Dimensions (H x W x D mm)	Weight	Material	Colour
- PCB dimensions	100 x 50 x 55	150gm	ABS Plastic	White
- Enclosure	128 x 128 x 78			
Strobe Type:	- use only System Sensor SpectraAlert Strobes: SR or S1224MC			
Maximum Loading	Number of Strobe Interfaces (Dual Strobes)		Number of Strobe Interfaces (Single Strobe)	
Pertronic 50W, 24V Amp	8 (16 strobes, 40W max)		12 (36W max)	
Pertronic 20W, 24V Amp	3 (6 strobes, 15W max)		6 (18W max)	
Pertronic 20W, 12V Amp	2 (4 strobes, 10W max)		4 (12W max)	

Table 1

Table 1 does not take any Speaker loadings into account - Strobes only.

Speakers may be included on the 100VRMS line provided the power capacity of the amplifier is not exceeded.

Important Note: The output of the **100VRMS Strobe Interface** board is NOT monitored for defects as required by Section 208.1(f) of NZS4512:2010 and NZS4512:2003, so should not be used where a Strobe is required to meet the requirements of the building consent issued by the territorial authority for the building.

Operation:

When the Alert or Evacuation signal is transmitted on the amplifier's 100VRMS Audio Line, the 100VRMS Strobe Interface board will supply 24Vdc (nominal) to the strobe units.

The strobes will function normally during the EVAC Tone, but may not during the ALERT Tone as the pauses in this tone pattern may prevent the strobes being driven adequately. During the speech portion of the EVAC and ALERT tones, the strobe units will not flash.

The 100VRMS Strobe Interface board can operate 1 or 2 System Sensor strobes (Link selectable) at 24Vdc.

MJ1 - Strobe Selection Link:

Link MJ1 is fitted for 2 Strobes

Link MJ1 is omitted for 1 Strobe

Connection Diagram:

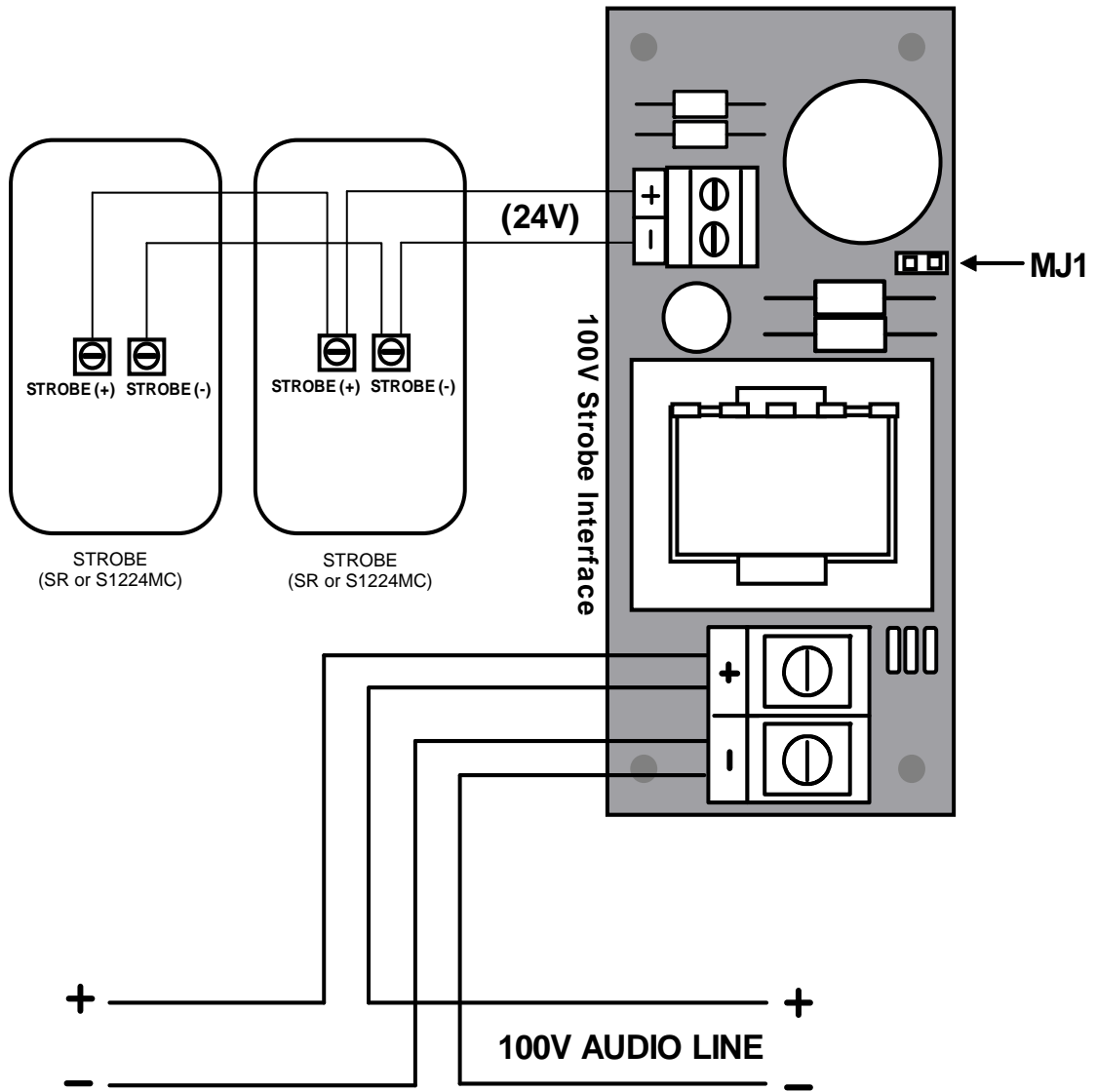


Figure 1

Product Codes:

NZS Code	Description	NZFPA Listing No
PSTIF	100V Line Strobe Interface	
EVAC50W24V	EVAC Amplifier, 50W 24V	PI/640
EVAC20W24V	EVAC Amplifier, 20W 24V	PI/639
EVAC20W12V	EVAC Amplifier, 20W 12V	
SR	SpectrAlert Advance 2-Wire Strobe 12/24V	
S1224MC	SpectrAlert Strobe 12/24V (obsolete)	

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