



Installation Instructions

Overview:

The Pertronic 100V Strobe Interface board allows System Sensor SpectrAlert SR or S1224MC strobes to be connected to Pertronic 100V Amplifier Audio Lines.

Specification:

Dimensions: 125mm x 125mm x 75mm.
 Power Requirements: Input Voltage 100Vrms (100V Audio Line)
 Strobe Voltage: 24Vdc (nominal)
 Power Consumption: 2 Strobes per interface – 5W
 1 Strobe per interface – 3W
 Strobe Type: verified only with System Sensor SpectrAlert SR or S1224MC strobes.

| Maximum Loading | Number of Strobe Interface Boards (Dual Strobes) | Number of Strobe Interface Boards (Single Strobe) |
|-----------------------|--|---|
| Pertronic 50W 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) |

The Table does not take any Speaker loadings into account—Strobes only. Speakers may be included on the 100V line provided the power capacity of the amplifier is not exceeded.

Important Note: The output of the **100V Strobe Interface** board is NOT monitored for defects as required by NZS4512:2003, Section 208(f), so it 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/Evac signal is transmitted on the 100V Audio Line of the amplifier, the 100V Strobe Interface board supplies 24V(nominal) to the Strobe units. The Strobe units function normally during the EVAC Tone, but not during the ALERT Tone: there are too many pauses in this tone pattern to keep the strobes adequately powered. During the speech portion of the EVAC and ALERT tones, the strobe units will not flash. The 100V Strobe Interface board can operate 1 or 2 System Sensor SR or S1224MC strobes (Link selectable) at 24V.

MJ1 - Strobe Selection Link: Link MJ1 is fitted for 2 Strobes
 Link MJ1 is omitted for 1 Strobe

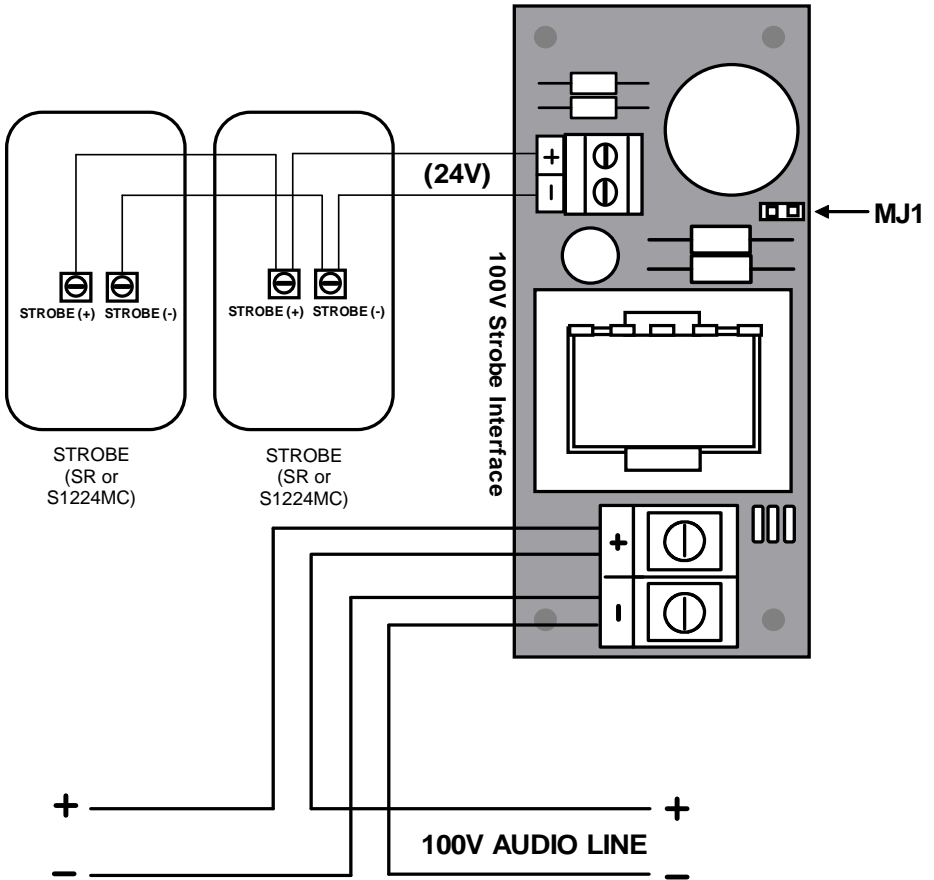
Note: Do not connect the 100V Audio Line to the Strobe Output (24V).
 (If the 100V Audio Line is connected to the Strobe Output, the amplifier enters current limit mode.)

PERTRONIC INDUSTRIES LTD

100V Strobe Interface



Connection Diagram:



Product Codes:

| Description | Code |
|--|------------|
| 100V Line Strobe Interface | PSTIF |
| EVAC Amplifier, 50W 24V | EVAC50W24V |
| EVAC Amplifier, 20W 24V | EVAC20W24V |
| EVAC Amplifier, 20W 12V | EVAC20W12V |
| SpectrAlert Advance 2-Wire Strobe 12/24V | SR |
| SpectrAlert Strobe 12/24V (obsolete) | S1224MC |