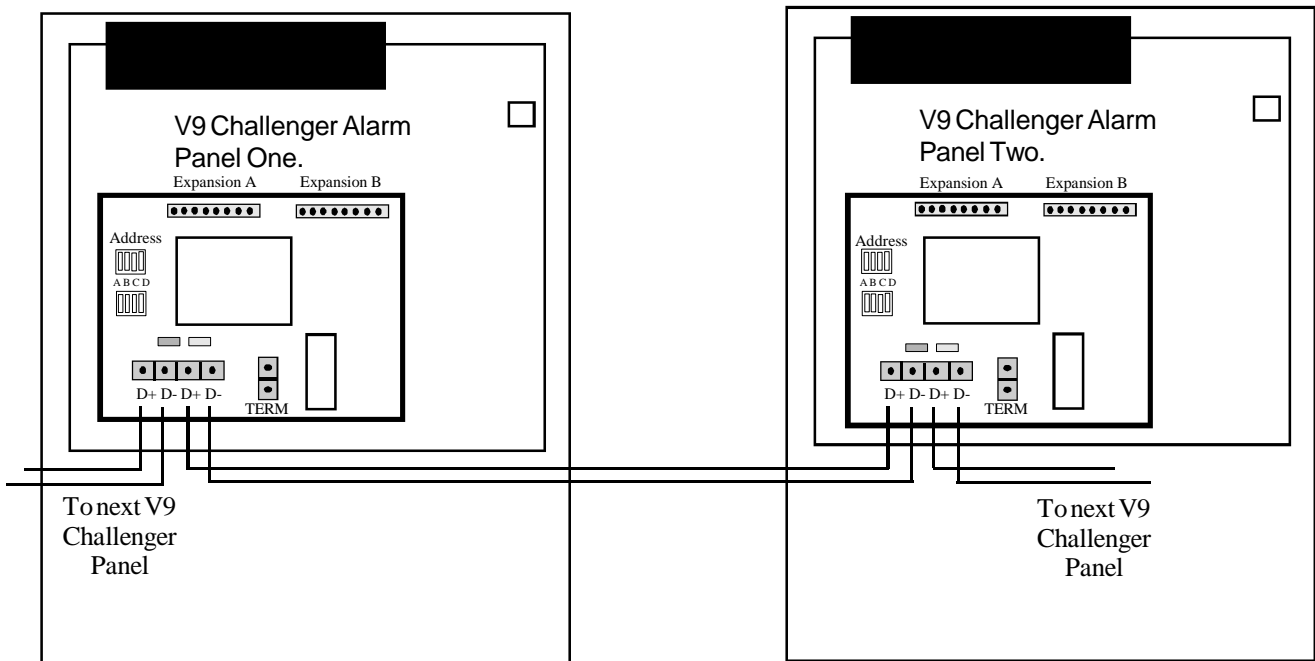


CHALLENGER INTEGRATION UNIT MODEL TS0890



The Challenger Integration Unit can be plugged onto the Dedicated V9 Challenger Panel TS0816D motherboard to provide a connection for the TS0891 and TS0892 computer and printer interfaces. It can also be used with the Intelligent Four Lift Controller TS0869 to provide a connection for the High Level Lift Protocol Controller TS0868.

The interface provides an isolation barrier of 1,500 volts between the V9 Challenger Panels and the Version 9 System LAN.

The interface allows up to 16 Challengers to be connected together to form a single distributed Challenger network.

Expansion Port B can be used for connection to a computerised management system for Upload/Download programming with special PC software, or Port B can be used for a connection to a serial Printer to print out events.



The Leader in Innovative Security Technology

Installation:

Power **must be** disconnected from the Challenger Panel before the TS0890 is plugged in.

The TS0890 Panelink Interface plugs into J18 on the main Challenger Panel board and is secured by two M3 screws supplied.

Ensure that the EPROM jumper located next to U13 (the EPROM socket) is shorted between the centre pin and the 2M pin. This can be determined by looking at the underside of the Challenger PCB. If the original factory link on the underside of the PCB is still intact, cut it very carefully and connect a jumper between the centre pin and the 2M pin.

Fit the supplied EPROM marked V8-F-MPR.Bxx, where xx is the panelink software version.

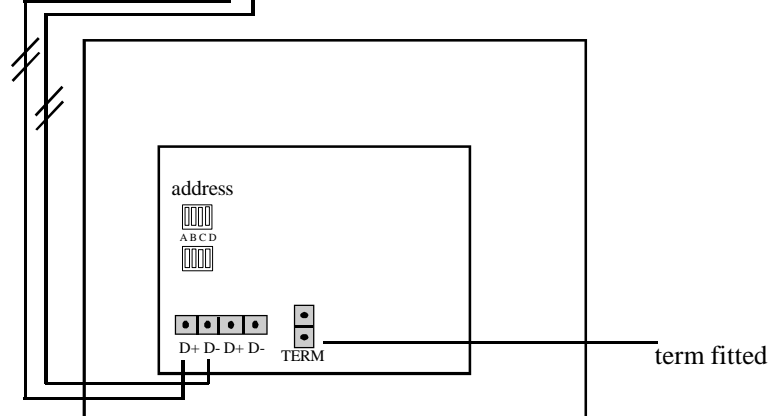
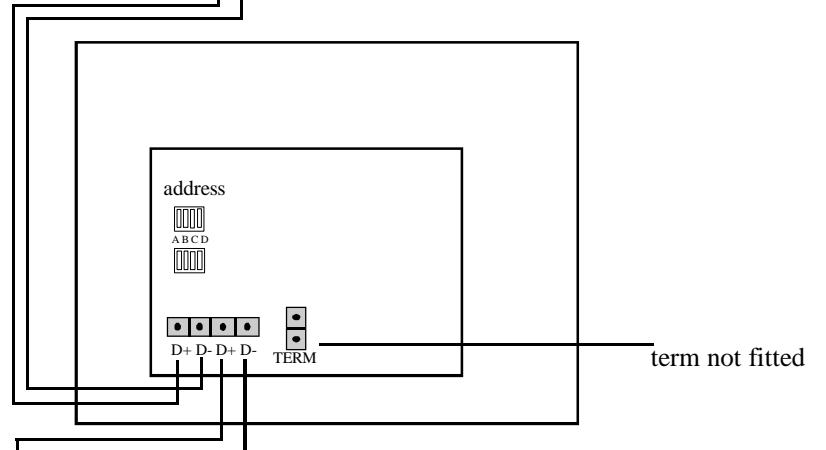
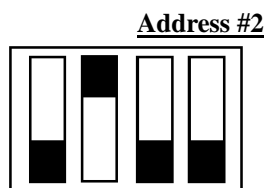
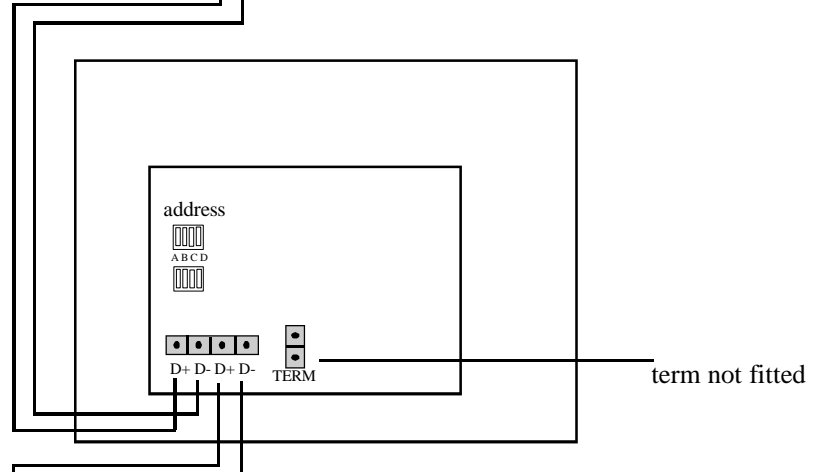
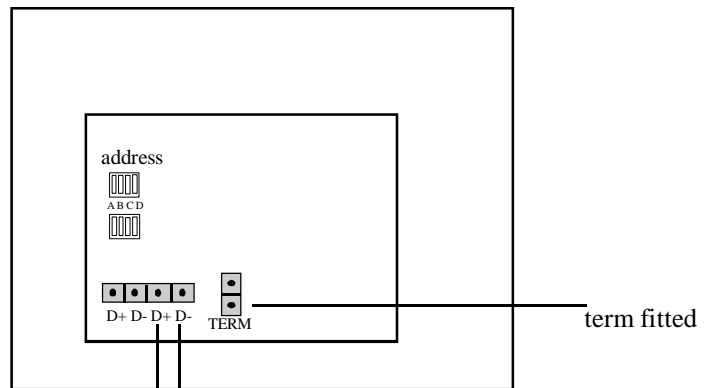
Set the ADDRESS dip switches to the panel number that this Challenger will report as in the Panelink network. This address may vary from 0 (Master) to 15. There must always be a panel with address 0 in any Panelink system. The second bank of dip switches marked ABCD should all be in the OFF position.

UNIT No.	Dipswitch Number			
	1	2	3	4
0	OFF	OFF	OFF	OFF
1	ON	OFF	OFF	OFF
2	OFF	ON	OFF	OFF
3	ON	ON	OFF	OFF
4	OFF	OFF	ON	OFF
5	ON	OFF	ON	OFF
6	OFF	ON	ON	OFF
7	ON	ON	ON	OFF
8	OFF	OFF	OFF	ON
9	ON	OFF	OFF	ON
10	OFF	ON	OFF	ON
11	ON	ON	OFF	ON
12	OFF	OFF	ON	ON
13	ON	OFF	ON	ON
14	OFF	ON	ON	ON
15	ON	ON	ON	ON

See next page for cabling details.

Current consumption:

The Panelink Interface module requires 25mA standby current and 150mA when both the Panelink LAN and the the Expansion B serial interface are active.



The Challenger is Designed and Manufactured by:

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