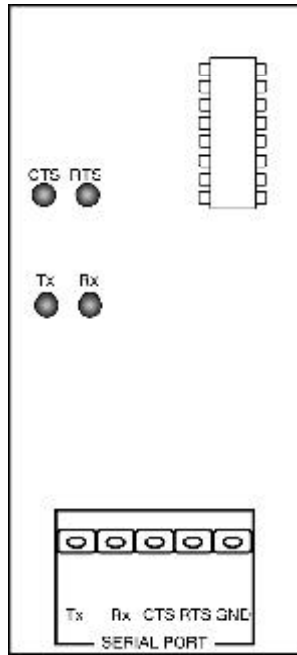


# V9 PRINTER INTERFACE MODEL TS0891

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## INSTALLATION GUIDE



The TS0891 V9 Printer Interface is attached to the TS0816P V9 Challenger Panel via the Expansion port B connector, and is secured by two bolts.

The TS0891 provides a single standard RS232 port for the connection of a serial printer to the V9 system. Three status LEDs, CTS, RTS and TX are provided for easy Printer communications diagnosis.



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## **Installation:**

Power must be disconnected from the Challenger Panel before the TS0891 is plugged in.

The TS0891 V9 Printer Interface plugs into J2 on the TS0816P V9 board and is secured by M3 screws supplied. See next page for cabling details.

## **Current consumption:**

The Printer Interface module requires 25mA standby current and 75mA when the output port is active.

## **CTS - Port B (Printer):**

The CTS (Clear To Send) terminal connects to the Printer's DTR (Data Terminal Ready) output to enable the printer to indicate to the Challenger when it is ready to receive data. The Challenger will NOT generate any printer data output unless the CTS terminal is high (+8 to +11V DC).

If the Challenger is programmed to print correctly and no printout is occurring, check the voltage on the CTS terminal. If it does not read high, then the cabling and the printer's DTR output settings should be checked.

## **Programming:**

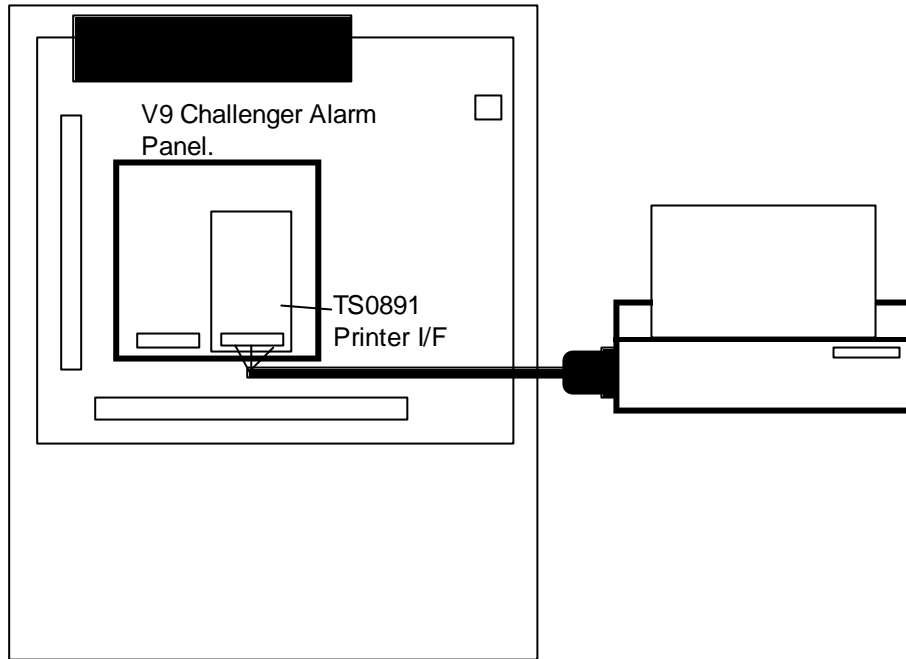
### **Printer output:**

The TS0891 V9 Printer Port can be programmed to provide a Real-time printer output, or to print History Alarm Events stored in memory, back to a specified date as required. Baud rate and Data format options can also be selected.

### **Printer Baud rate and Data format options:**

When programming the printer option, various Baud rate and Data format options can be selected.

*See The Challenger Programming Guide for more information.*



**Cabling Requirements:**

4 Core Shielded RS232 Data Cable is used to connect Port A or Port B to the Computer and Printer.  
e.g. Belden 9534 or Garland MC7-4S.

Maximum cable length is 15 metres.

**Connections:**

TS0891 PORT		PRINTER		
		DB25 Connector <u>OR</u> (Supplied)	DB9 Connector	
TX		RX	3	2
RX		Not connected		
CTS		READY (DTR)	20	4
RTS		Not Connected		
GND		GROUND	7	5
	Link		RTS	4
			CTS	5
				7
				8

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The Challenger is Designed and Manufactured by:

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