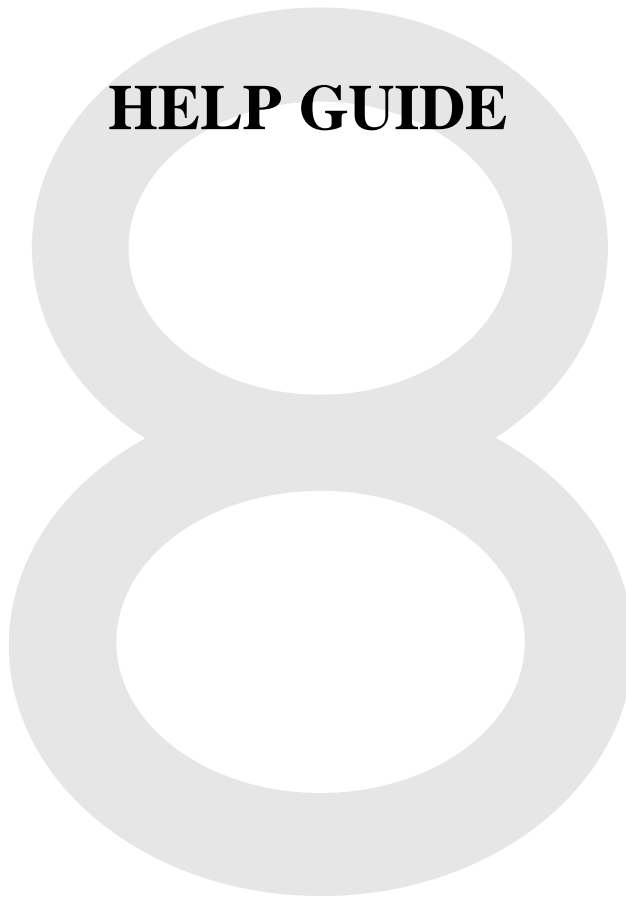


APPENDIX II

V8 CHALLENGER

HELP GUIDE



V8 CHALLENGER PANEL - MODEL TS0816

.. HELP ..

CONDITION

POSSIBLE CAUSE

Master LCD Arming Station has all LEDs flashing and displays "Service" message.

The LAN line may be connected incorrectly.
The address links on the RAS may be incorrectly set.

Panel is not communicating with Arming Stations and/or Data Gathering Panels.

The LAN line may be connected incorrectly, or the wrong cable type may have been used.

Arming Stations and/or Data Gathering Panels appear be going off-line and on-line. (Indicated by RAS/DGP fail LEDs on 16 area RAS and by LCD display "RAS Fail" message.)

RAS and/or DGP numbers to be polled may not be programmed, or may not match the addresses set on the units.

The LAN line may be connected incorrectly, or the wrong cable type may have been used.

Termination may be incorrect. TERM links may not have been removed where necessary.
Refer to: Connections - TERM.

Input going into alarm while area disarmed.

Input wired incorrectly causing tamper condition (Open circuit or Short circuit) instead of unsealed condition. E.O.L. resistors may be installed incorrectly.
Refer to: Wiring diagrams.

Unable to assign Alarm Groups when programming Users.

No alarm groups have been programmed with the option "Can This Alarm Group be Assigned to Users" set to YES.

If a code other than the Master code (User 50) is being used to access "Program Users", the Alarm Group assigned to it may not allow the function.
Refer to: Programming Guide Installer Option 5

Panel not reporting to Monitoring Station

Line connections may be wired incorrectly.
Refer to: Connections - Line, and wiring diagrams.

Panel may be wrong type for the particular reporting format.

Direct Line or STU address; or Account number (Dialler panels only) in Installer option 9 may be programmed incorrectly.

Dialler versions. Phone No. 1 MUST be programmed.

LCD ARMING STATIONS - MODELS TS0001, TS0801, TS0802, TS0004 or TS0210

.. HELP ..

CONDITION

POSSIBLE CAUSE

All the LEDs on the arming station are flashing.

The links may be incorrectly set. (The address recorded on the arming station may be incorrect and polling to the arming station is not being acknowledged.)

The LAN line may be connected incorrectly.

The arming station is not being polled. (It may not have been included in Arming stations to be polled when programming arming stations.)

LEDs are not operating.

No power or low power.

LEDs do not appear to be indicating the correct condition.

The arming station type may have been defined incorrectly. *LCD Arming Station* must be set to YES.

On TS0004 and TS0210 the *Relay Group* must be set to 0.

On TS0001 *Toggle Keyboard Control* must be set to NO.

The arming station appears to be going off-line and on-line. (Indicated by *The Challenger* RAS LED and/or "RAS Fail" message on the LCD)

Termination may be incorrect. *Refer to* : Connections - TERM.

An error is indicated when a code is entered on the keypad (7 beeps).

An invalid PIN may have been used.

The Arming Station may not have been programmed with an alarm group.

The alarm group of the PIN may not permit access at this arming station.

When you touch the arming station it seems to lock up due to static. (TS0004 / TS0210 only)

The arming station may not have been earthed.

The star washers on the cover screws may not be in place. (These are used to provide an electrical connection between the cover and the base)

4 LED ARMING STATION & MAGNETIC CARD READERS MODEL TS0003, TS0007, TS0008 or TS0009

.. HELP ..

CONDITION	POSSIBLE CAUSE
All the LEDs on the arming station are flashing.	<p>The links may be incorrectly set. (The address recorded on the arming station may be incorrect and polling to the arming station is not being acknowledged.)</p> <p>The LAN line may be connected incorrectly.</p> <p>The arming station is not being polled. (It may not have been included in Arming stations to be polled when programming arming stations.)</p>
LEDs are not operating.	No power or low power.
LEDs do not appear to be indicating the correct condition.	The arming station type may have been defined incorrectly. <i>LCD Arming Station</i> and must be set at NO.
The arming station appears to be going off-line and on-line. (Indicated by <i>The Challenger</i> RAS LED and/or "RAS Fail" message on the LCD)	Termination may be incorrect. <i>Refer to : Connections - TERM.</i>
The arming station appears to lockup when the relay which it controls via the OUT terminal, activates.	The relay probably does not have a reverse diode accross it to protect against back emf.
An error is indicated when a code is entered on the keypad (7 beeps).	<p>An invalid PIN may have been used.</p> <p>The Arming Station may not have been programmed with an alarm group.</p> <p>The alarm group of the PIN may not permit access at this arming station.</p>

DATA GATHERING PANELS - MODELS TS0820 to TS0824

.. HELP ..

CONDITION

POSSIBLE CAUSE

The "Tx" LED on the data gathering panel is not flashing.

The links may be incorrectly set. (The address recorded on the data gathering panel may be incorrect and polling to the data gathering panel is not being acknowledged.)

The LAN cable may be connected incorrectly.

The data gathering panel is not being polled. (It may not have been included in Data Gathering Panels to be polled when programming data gathering panels.)

"Tx" and "Rx" LEDs are not operating.

No power or low power.

The LAN cable may be connected incorrectly.

The data gathering panel appears to be going off-line and on-line. (Indicated by *The Challenger* DGP LED and/or "DGP Fail" on the LCD)

Termination may be incorrect. *Refer to : Connections - TERM.*

Some or all DGP inputs are permanently in tamper. (Or permanently in alarm if "Input Tamper Monitoring" in Installer Option 7 is set to NO)

The input numbers for the DGP have been calculated incorrectly, and input type numbers have therefore been assigned to the wrong inputs in the Input Database. See: Numbering - Inputs/DGPs/Relays/Doors.

The 8 Input Expansion module/s (if fitted) have the DIPswitches incorrectly set.

Expansion module:	1st	2nd	3rd
DIPswitch 1	ON	OFF	OFF
DIPswitch 2	OFF	ON	OFF
DIPswitch 3	OFF	OFF	ON
DIPswitch 4 not used.			

Two or three 8 Input expansion modules are fitted to increase the DGP to 24 or 32 inputs, but the 17th to 32nd inputs on the DGP do not seem to function.

DIPswitch 5 on the DGP has not been set to ON.

Four way Relay module/s (TS0840) being used with the DGP do not function, but some of the LEDs on the module appear to be permanently on.

DIPswitch 6 on the DGP is set to ON. (DIPswitch 6 should only be on if 8 Way relay modules or 16 Open collector modules are being used)

8 Way Relay modules or 16 Way Open collector modules connected to the DGP do not function.

DIPswitch 6 on the DGP has not been set to ON.

The siren output (with 8 ohm siren speaker connected) does not operate when it is meant to.

The 16th (last) relay number associated with the DGP address has not been mapped to a Siren Event Flag Number.

See: Relay mapping

Numbering - Inputs/DGPs/Relays.

Area Database (Siren Event Flags)

SERIAL PRINTER INTERFACE - MODEL TS0094

.. HELP ..

CONDITION	POSSIBLE CAUSE
No Printout.	<p>The printer output or the selected events may not have been enabled, or the timezone selected for printing may not be valid in Installer Option 30 - Printer,</p> <p>The Baud rate and parity options selected in Installer Option 30 - Printer may not match the options set in the printer.</p> <p>The cable from TS0094 Port B to Printer may be wired incorrectly. Check against installation guide.</p> <p>The wrong type of cable may have been used or the cable may have been run too far. 4 or 6 core RS232 shielded data cable must be used and should not be run more than 15 metres.</p> <p>The printer is not providing a Data Terminal Ready signal (+8 to +11 V DC) to the CTS input on the TS0094 Port B. (Check with meter and check connection between Printer Serial connector, pin 20 "DTR" and TS0094 Port B, "CTS")</p> <p>The Serial Printer may not be set up correctly.</p>
Print-out is unintelligible or misaligned etc.	<p>The Baud rate and parity options selected in Installer Option 30 - Printer may not match the options set in the printer.</p> <p>The printer is not compatible with the Epson printer codes for condensed and enhanced printing. (SI, DC2, S0 & DC4)</p>

RELAYS - MODELS TS0840 to TS0842

.. HELP ..

CONDITION

POSSIBLE CAUSE

8 Way Relay card (TS0841) won't function:

- When connected to the Challenger Panel.
- When connected to a DGP.

The "Number of Relay Controllers" has not been set in Installer Option 7 - System options.
(No of Relay Controllers = 1 for each 8 Way Relay card)

DIPswitch 6 has not been set to ON.

16 Way Open Collector card (TS0842) won't function:

- When connected to the Challenger Panel.
- When connected to a DGP.

The "Number of Relay Controllers" has not been set in Installer Option 7 - System options.
(No of Relay Controllers = 2 for each 16 Way O/C card)

DIPswitch 6 has not been set to ON.

4 Way Relay card/s (TS0840) won't function:

- When connected to the Challenger Panel.
- When connected to a DGP.

The "Number of Relay Controllers" has not been set to 0 in Installer Option 7 - System options.

DIPswitch 6 has not been set to OFF.

Relays will not function after being enabled as above.

The Relay has not been mapped to an Event Flag or the relay number has been calculated incorrectly and therefore not programmed as the correct relay number.

The Relay is being held inactive during a timezone.

The cable has been connected incorrectly, or is the wrong cable for the application (When connecting between Version 8 & non-Version 8 equipment)

See: Relay Mapping
Numbering - Inputs/DGPs/Relays
Hardware installation guide/s supplied with relay cards