

AVAC MASTER RECORD SHEET AVAC Location?

Page numbers, e.g. **P15** refer to pages in the main Installation and Maintenance Manual (Document No. DAU0000402).

STEP 1 - What's the load? **P15**

Measure the loudspeaker loads (ohms or watts) using a Loadmaster or LCR meter before calibration. **DO NOT** use a multimeter as the results will be meaningless.
LOAD PER CIRCUIT = 60 watts max., or 166 ohms min.

A Load

=

Ω or W

B Load

=

Ω or W

STEP 2 - What's connected at the Main PCB?

Measure the PTT/Go volts using a DC voltmeter whilst stimulating that input or output.

Approximate PTT/Go Line levels: 0-2V=Fault; 2-6V=Triggered; 6-12.5V=Normal; 12.5-15V=Fault.
Note: These levels are learnt with the calibrate button and are therefore a guide only.
 The unit must be calibrated in an untriggered state and Page Input does not detect faults.

CONN1 - Slave Output **P23**

What's connected?

.....

or, nothing connected

Measure the Go voltage:

Triggered Non Triggered

..... V V

CONN2 - Fire Mic Input **P19**

What's connected?

.....

or, 6K8 EOL fitted

Measure the PTT voltage:

Triggered Non Triggered

..... V V

CONN3 - Page Input **P20**

What's connected?

.....

or, nothing connected

Measure the PTT voltage:

Triggered Non Triggered

..... V V

CONN4 - BGM Input **P21**

What's connected?

.....

or, nothing connected

CONN5 **P32**

Vout Load

..... V A

or, nothing connected

CONN7 - M1 (EVAC) **P17**

Triggered Non Triggered

..... V V

or, nothing connected

CONN7 - M2 (ALERT) **P17**

Triggered Non Triggered

..... V V

or, nothing connected

CONN8 - M3 (TEST) **P17**

Triggered Non Triggered

..... V V

or, nothing connected

CONN8 - RES **P17**

Triggered Non Triggered

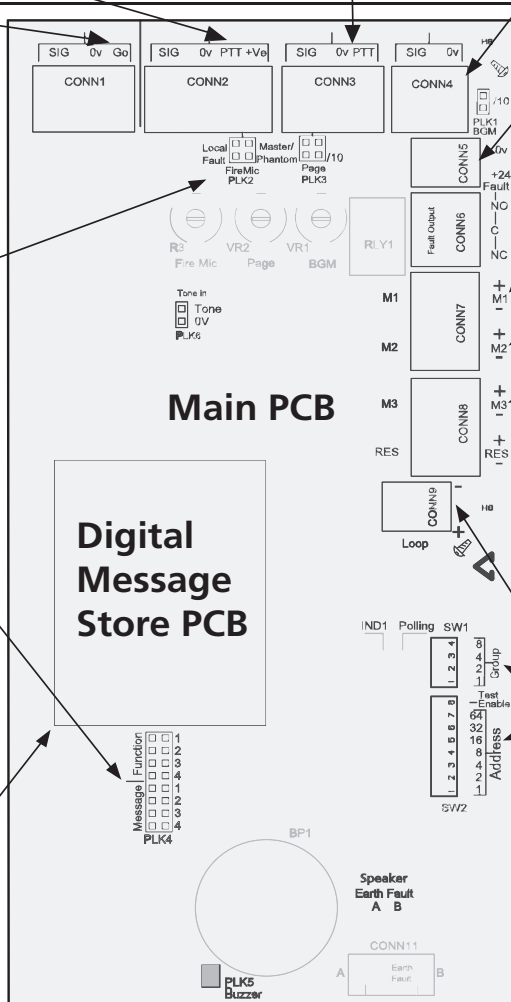
..... V V

or, nothing connected

STEP 3 - What links fitted?

- PLK1 BGM ÷10 **P21**
- PLK3 Page ÷10 **P20**
- PLK3 Page Mstr/Phntm **P20**
- PLK2 FireMic Mstr/Phntm **P19**
- PLK2 FireMic Local Fault **P23**
- PLK6 Tone 0V
- PLK5 Buzzer

- PLK4 Function 1 **P17**
- PLK4 Function 2 **P25**
- PLK4 Function 3 **P25**
- PLK4 Function 4 **P25**
- PLK4 Message 1 **P24**
- PLK4 Message 2 **P25**
- PLK4 Message 3
- PLK4 Message 4



STEP 4 **P18**

Loop connected?

Loop voltage? V

What addresses?

SW1 SW2

or, no loop connected

Record date?

.....

Completed by?

.....

STEP 5 - Which message set?

Name?

Date?

Fault Diagnosis - What's lit when a fault occurs? **P26 P27 P28 P29**

On		Flashing		On		Flashing		On		Flashing		On		Flashing		
Audio Limit	<input type="checkbox"/>	<input type="checkbox"/>	Supply Present	<input type="checkbox"/>	<input type="checkbox"/>	General Fault	<input type="checkbox"/>	<input type="checkbox"/>	Fire Mic Fault	<input type="checkbox"/>	<input type="checkbox"/>	A Fault	<input type="checkbox"/>	<input type="checkbox"/>		
IND1	<input type="checkbox"/>	<input type="checkbox"/>	Mains Fault	<input type="checkbox"/>	<input type="checkbox"/>	Slave Fault	<input type="checkbox"/>	<input type="checkbox"/>	EVAC	<input type="checkbox"/>	<input type="checkbox"/>	B Fault	<input type="checkbox"/>	<input type="checkbox"/>		
Polling	<input type="checkbox"/>	<input type="checkbox"/>	PSU Fault	<input type="checkbox"/>	<input type="checkbox"/>	Paging Active	<input type="checkbox"/>	<input type="checkbox"/>	Alert	<input type="checkbox"/>	<input type="checkbox"/>	Standby Fault	<input type="checkbox"/>	<input type="checkbox"/>		
Spkr Earth Fault A	<input type="checkbox"/>	<input type="checkbox"/>	System Fault	<input type="checkbox"/>	<input type="checkbox"/>	Fire Mic	<input type="checkbox"/>	<input type="checkbox"/>	Test	<input type="checkbox"/>	<input type="checkbox"/>	Spkr A Fault	<input type="checkbox"/>	<input type="checkbox"/>		
Spkr Earth Fault B	<input type="checkbox"/>	<input type="checkbox"/>				Message Fault	<input type="checkbox"/>	<input type="checkbox"/>	Message Fault	<input type="checkbox"/>	<input type="checkbox"/>	Spkr B Fault	<input type="checkbox"/>	<input type="checkbox"/>		

Note: These five indicators are internal, all other indicators are external.

AVAC SLAVE RECORD SHEET

AVAC Location?

Page numbers, e.g. **P15** refer to pages in the main Installation and Maintenance Manual (Document No. DAU0000402).

STEP 1 - What's the load? **P15**

Measure the loudspeaker loads (ohms or watts) using a Loadmaster or LCR meter before calibration. DO NOT use a multimeter as the results will be meaningless.
LOAD PER CIRCUIT = 60 watts max., or 166 ohms min.

A Load = Ω or W	B Load = Ω or W
------------------------------------	------------------------------------

STEP 2 - What's connected at the Main PCB?

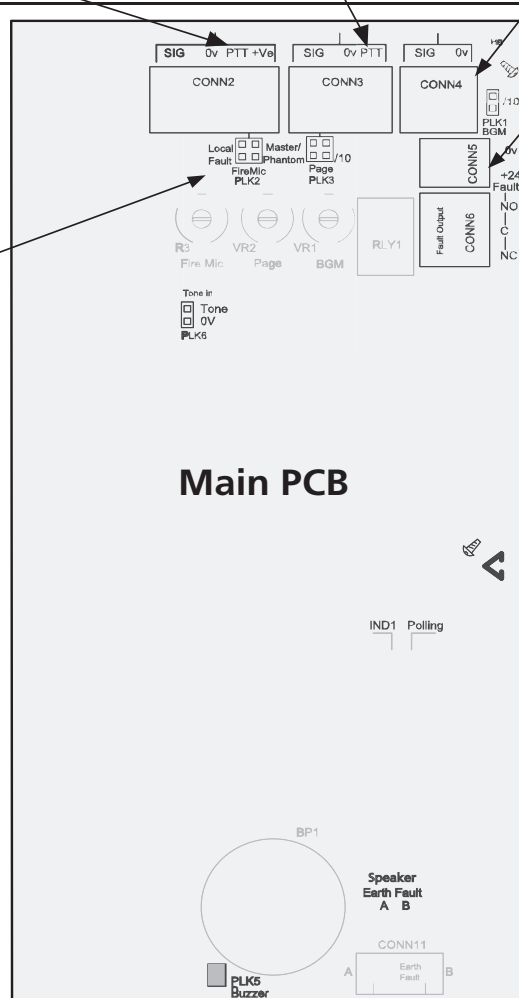
Measure the PTT/Go volts using a DC voltmeter whilst stimulating that input or output.

Approximate PTT/Go Line levels: 0-2V=Fault; 2-6V=Triggered; 6-12.5V=Normal; 12.5-15V=Fault.
Note: These levels are learnt with the calibrate button and are therefore a guide only.
 The unit must be calibrated in an untriggered state and Page Input does not detect faults.

CONN2 - Fire Mic Input P23 What's connected? or, 6K8 EOL fitted <input type="checkbox"/> Measure the PTT voltage: Triggered Non TriggeredV V	CONN3 - Page Input P20 What's connected? or, nothing connected <input type="checkbox"/> Measure the PTT voltage: Triggered Non TriggeredV V	CONN4 - BGM Input P21 What's connected? or, nothing connected <input type="checkbox"/> CONN5 P32 Vout LoadV A or, nothing connected <input type="checkbox"/>
---	--	--

STEP 3 What links fitted?

- PLK1 BGM ÷10 **P21**
- PLK3 Page ÷10 **P20**
- PLK3 Page Mstr/Phntm **P20**
- PLK2 FireMic Mstr/Phntm **P19**
- PLK2 FireMic Local Fault **P23**
- PLK6 Tone 0V
- PLK5 Buzzer



Record date?

Completed by?

Fault Diagnosis - What's lit when a fault occurs? **P26** **P27** **P28** **P29**

On Flashing Audio Limit <input type="checkbox"/> <input type="checkbox"/> IND1 <input type="checkbox"/> <input type="checkbox"/> Polling <input type="checkbox"/> <input type="checkbox"/> Spkr Earth Fault A <input type="checkbox"/> <input type="checkbox"/> Spkr Earth Fault B <input type="checkbox"/> <input type="checkbox"/>	On Flashing Supply Present <input type="checkbox"/> <input type="checkbox"/> Mains Fault <input type="checkbox"/> <input type="checkbox"/> PSU Fault <input type="checkbox"/> <input type="checkbox"/> System Fault <input type="checkbox"/> <input type="checkbox"/>	On Flashing General Fault <input type="checkbox"/> <input type="checkbox"/> Paging Active <input type="checkbox"/> <input type="checkbox"/> Master Active <input type="checkbox"/> <input type="checkbox"/> Master Fault <input type="checkbox"/> <input type="checkbox"/>	On Flashing A Fault <input type="checkbox"/> <input type="checkbox"/> B Fault <input type="checkbox"/> <input type="checkbox"/> Standby Fault <input type="checkbox"/> <input type="checkbox"/> Spkr A Fault <input type="checkbox"/> <input type="checkbox"/> Spkr B Fault <input type="checkbox"/> <input type="checkbox"/>
--	--	---	---

Note: These five indicators are internal, all other indicators are external.