

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? **P19**

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

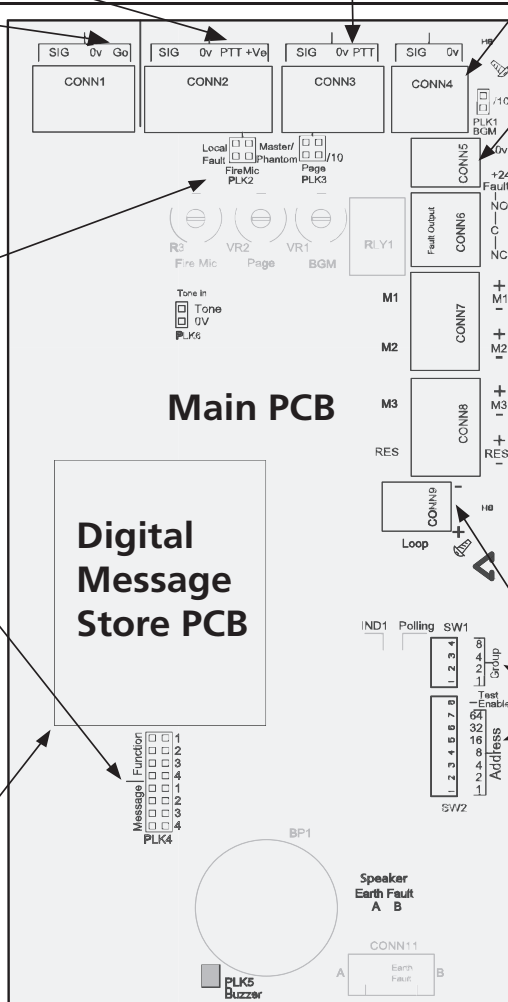
CONN4 - BGM Input **P21**
 What's connected?

 or, nothing connected
CONN5 **P32**
 Vout Load
 V A
 or, nothing connected

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



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 5 - Which message set?

Name?

Date?

STEP 4 **P18**

Loop connected?

Loop voltage? V

What addresses?
 SW1 SW2

or, no loop connected

Record date?

Completed by?

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"/>
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"/>
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"/>
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 Earth Fault B <input type="checkbox"/>	<input type="checkbox"/>			Message 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.

AVAC SLAVE RECORD SHEET

AVAC Location?

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

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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

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

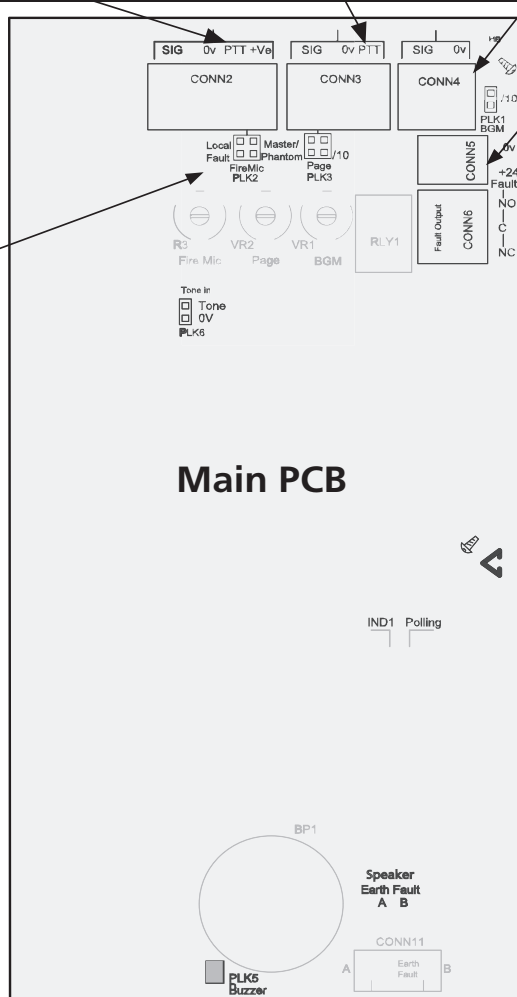
CONN5 **P32**

Vout	Load
..... V A

or, nothing connected

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		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"/>	A Fault	<input type="checkbox"/>	<input type="checkbox"/>
IND1	<input type="checkbox"/>	<input type="checkbox"/>	Mains Fault	<input type="checkbox"/>	<input type="checkbox"/>	Paging Active	<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"/>	Master Active	<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"/>	Master Fault	<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"/>							Spkr B Fault	<input type="checkbox"/>	<input type="checkbox"/>

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