



REFER ALSO TO DRAWINGS:
 699-180 OPTIONAL WIRING FOR MULTIPLE CABINETS.
 699-198 REMOTE RACK INTERNAL WIRING.
 699-244 PRINTER INTERFACE WIRING.

ON ANY SYSTEM THAT USES AN ECP9702, MMIP9903 AND SE9004, FIT A 10K RESISTOR BETWEEN THE IN+ AND +24V TERMINALS ON THE FIRST MMIP9903 PCB.

FIB & BGA MODULES ARE INTERCHANGEABLE. FOR FIB SET ADDRESS TO 4X. FOR BGA SET ADDRESS TO 5X. ON SMALL SYSTEMS THE SAME MODULE MAY BE USED FOR BOTH FIP & BGA INPUTS. SET ADDRESS TO 4X.

SET BOARD TO FIB910 MODE BY FITTING LINK 1 TO LINK 6 TO THE FIB POSITION & SW1.B OFF.

NOTE: EXACT NUMBER OF EMSP8911 MODULES FITTED TO ECP IS SYSTEM DEPENDENT

BACK VIEW OF DOOR

NOTE: EXACT NUMBER OF EMSP8911 MODULES FITTED TO ECP IS SYSTEM DEPENDENT

SEE NOTE 2.

- NOTES:
- ALL FRCs BETWEEN TRANSFORMER MODULES AND THE BACKPLANE OF THE AMPLIFIER RACK ARE "TWISTED" AS SHOWN BELOW
 - WIRE IS 10 WAY FRC BETWEEN ECP9002 AND MASTER PHONE WITH RING9006, 2 WIRES BETWEEN ECP9702 AND MASTER PHONE.
 - CHASSIS EARTH:- CONNECT TO GEAR PLATE IF FITTED, OTHERWISE DIRECTLY TO CABINET, USING 1.00 mm² GREEN/YELLOW CABLE.
 - WTRM9007 MUST BE USED WITH WIP/S9004. WTRM2000 MUST BE USED WITH WIP/S2000.

SHOWN FOR REFERENCE ONLY (PRE-2000)

CONFIDENTIAL: THIS DOCUMENT MUST NOT BE COPIED NOR THE CONTENTS PASSED ON TO ANY THIRD PARTY WITHOUT THE CONSENT OF THE COMPANY. UNLESS OTHERWISE STATED: ALL DIMENSIONS IN MILLIMETRES. DO NOT SCALE. TOLERANCES ARE TO BE: 1 DECIMAL PLACE ±0.5, 2 DECIMAL PLACES ±0.3, 3 DECIMAL PLACES ±0.1

ISS/REV	AMENDMENTS	ECO	DRN	CHKD	AUTH	APVD	DATE
K	WTRM2000 & WIP/S2000 ADDED. NOTE 4 ADDED.	3170	GEL				6-7-01
L	ECP/EMSP DETAIL ADDED	3423	KJS	IR	DSCP	DSCP	26-9-03

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QE90
 GENERALISED SYSTEM
 INTERNAL WIRING DIAGRAM

DRAWING No: 699-177 SHEET 1 of 1

A1 ISS/REV L PART No: QE9999

3rd ANGLE PROJECTION