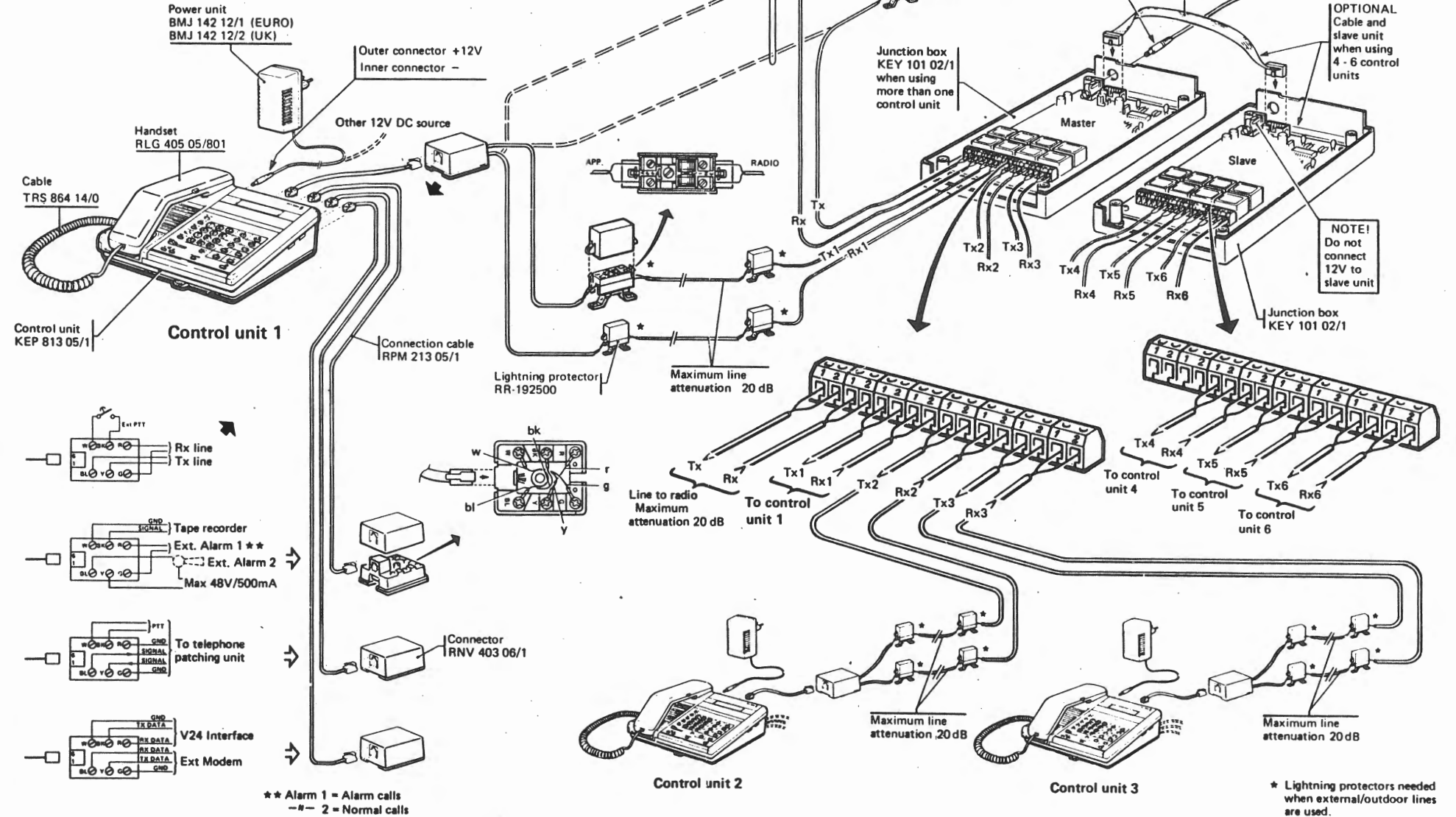


Uppgjord - Prepared KI/ERA/XLB/IAN	Faktaansvarig - Subject responsible F/TRK/AAD	Nr - No 1531-KDV 120 1002 UEn
Dokansv/Godk - Doc respons/Approved R/FTC	Datum - Date 91-10-14	Rev D
Benämning MANÖVERAPPARATSATSER CU 200	Titel CONTROL UNIT KITS CU 200	

Art. nr för denna ritn: LZT 123 235
Part no. for this drawing: LZT 123 235

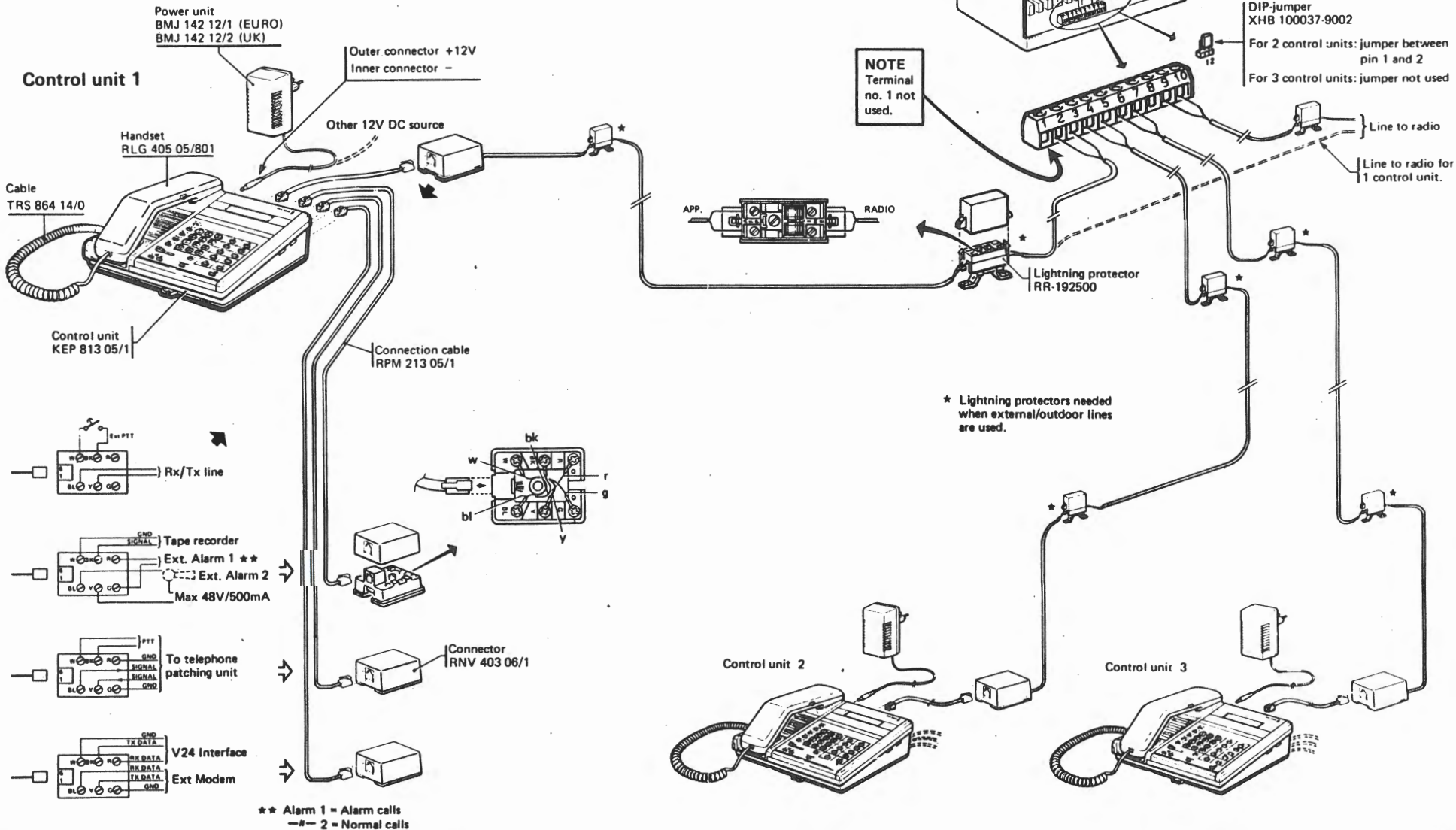
INSTALLATION DRAWING FOR 4-WIRE SYSTEMS



Uppgjord - Prepared KI/ERA/XLB/IA	Faktaansvarig - Subject responsible F/TRK/AAD	Nr - No 1531-KDV 120 1002 UEn
Dokansv/Godk - Doc respons/Approved R/FTC	Datum - Date 91-10-14	Rev D
Benämning MANÖVERAPPARATSATSER CU 200	Titel CONTROL UNIT KITS CU 200	

NOTE!
Maximum attenuation between control unit and radio: 20 dB.
Attenuation in junction box: 11 dB.
Att. in each lightning protector ≈ 1 dB.

INSTALLATION DRAWING FOR 2-WIRE SYSTEMS

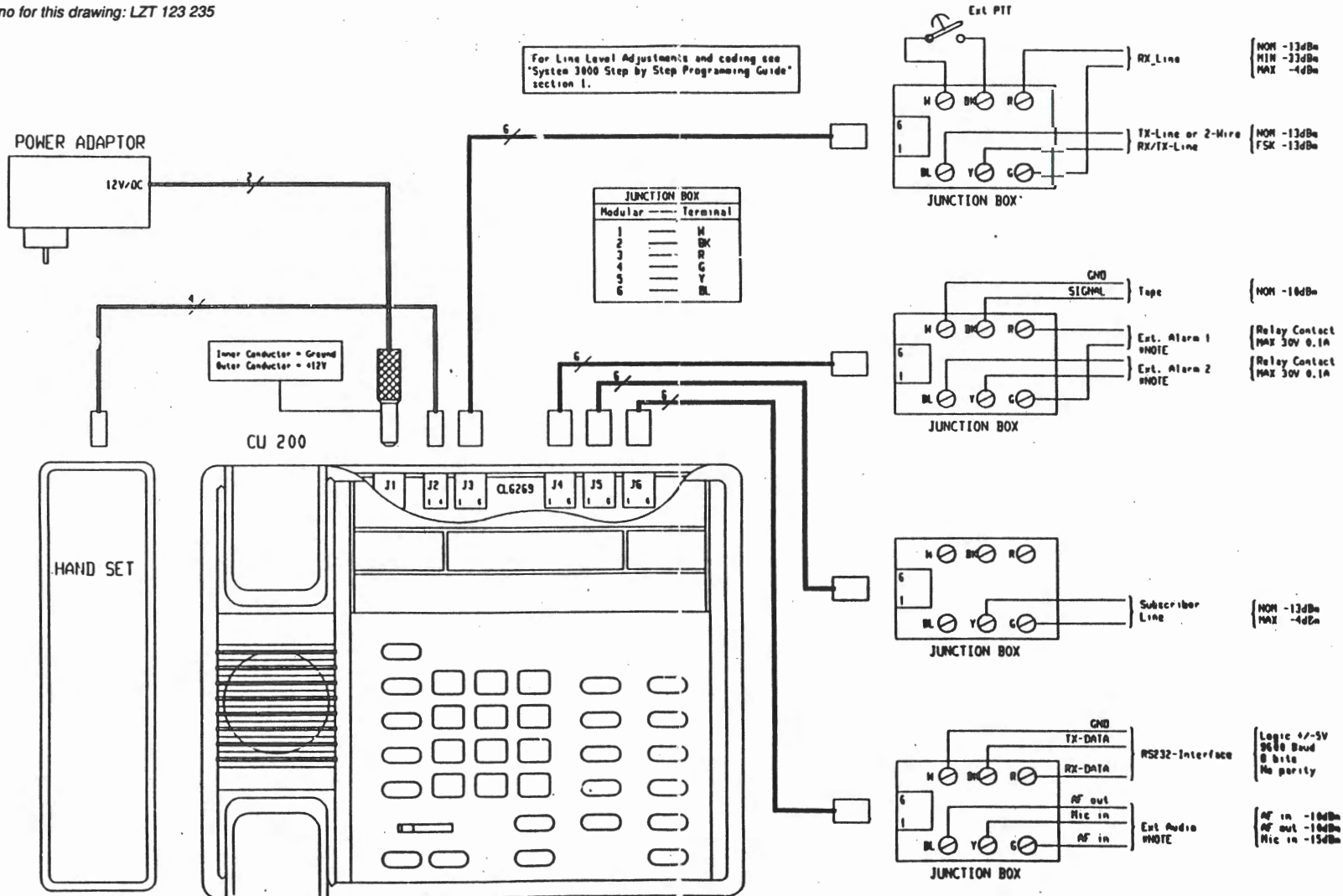


Uppgjord - Prepared KI/ERA/R/FT/CA	Faktaansvarig - Subject responsible R/FTC	Nr - No 1531-KDV 120 1002 UEN
Dokument/Godk - Doc respons/Approved R/FTC	Datum - Date 91-10-14	Rev D
Benämning MANÖVERAPPARATSATSER CU210		Title CONTROL UNIT KITS CU210

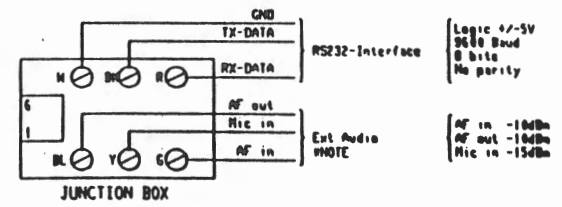
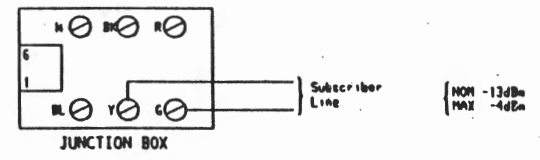
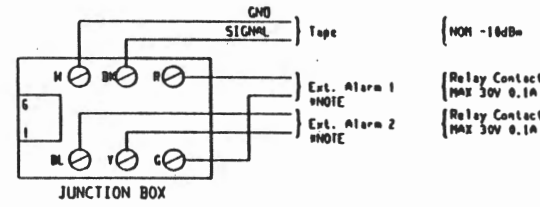
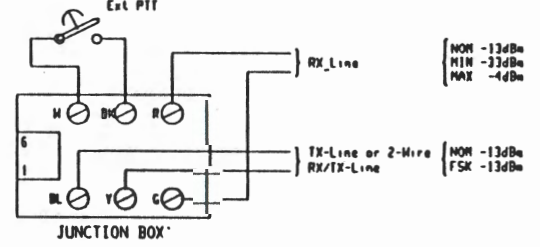
**INSTALLATIONS DRAWING
FOR 2 AND 4 WIRE SYSTEMS
AND TELEPHONE INTERCONNECTION**

Part no for this drawing: LZT 123 235

For Line Level Adjustments and coding see
"System 3800 Step by Step Programming Guide"
section 1.

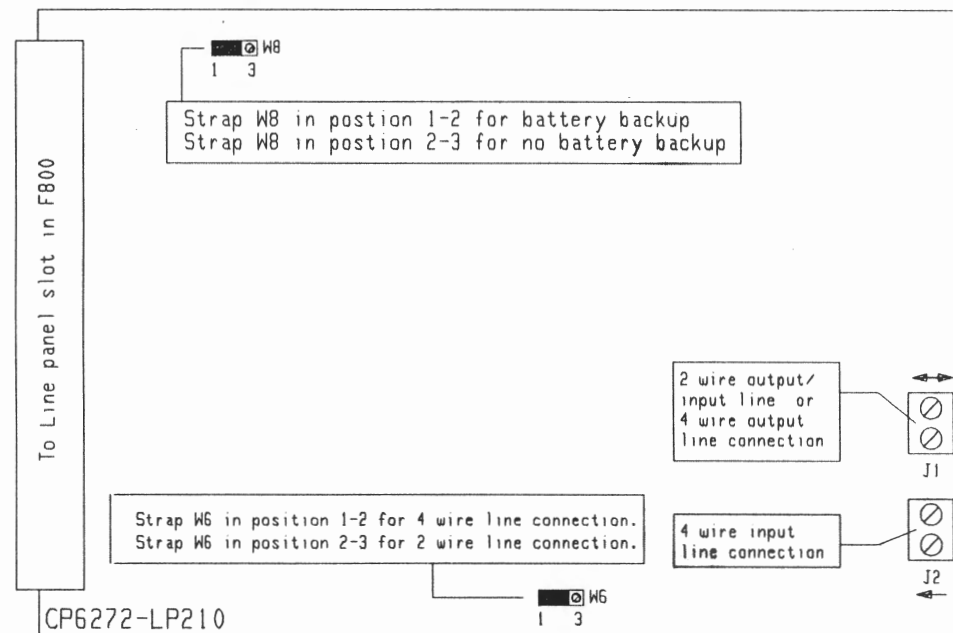


JUNCTION BOX	
Modular	Terminal
1	H
2	BK
3	R
4	G
5	Y
6	BL



NOTE Optional interface,
depending on software.

Installation notes	check
1. To use the line panel with F 800 check that internal wiring of F 800 lines to line panel slot is according to above diagram and modify if necessary.	
2. Measure the line attenuation and frequency response.	
3. Select 2 or 4 wire connection with strap W6.	
3. Connect a CU to the line and adjust line 2 / 4 wire , gain and equalizer in AREA 2.	
5. Set strap W8 in postion 1-2 for battery backup of realtime clock.	
6. Plugg in board in F800 line panel slot.	



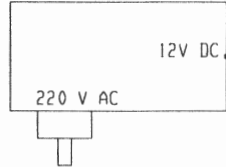
Line panel slot	Chassi connector lines	F 800
J1B pin 2	L1A	J2 pin 5
J1B pin 3	L1B	J2 pin 4
2 wire/4 wire RX (to CU:s)		
J1A pin 2	L2A	J2 pin 3
J1A pin 3	L2B	J2 pin 2
4 wire TX (from CU:s)		

Line panel slot	Inputs and Outputs	F 800
J1A pin 25	G-IN1	Input 1 active low (internal pull up +5V)
J1A pin 24	G-IN2	Input 2 active low (internal pull up +5V)
J1A pin 27	G-OUT1	Output 1 active low max 50 mA
J1A pin 26	G-OUT2	Output 2 active low max 50 mA

SA3	Description:	Date: 93-06-21
	Installation in F800 Radio	Page: 1 of 1
	Title: LP210	Scale: Dwg.nr:

Inner Conductor = Ground
Outer Conductor = +12 V

POWER ADAPTOR



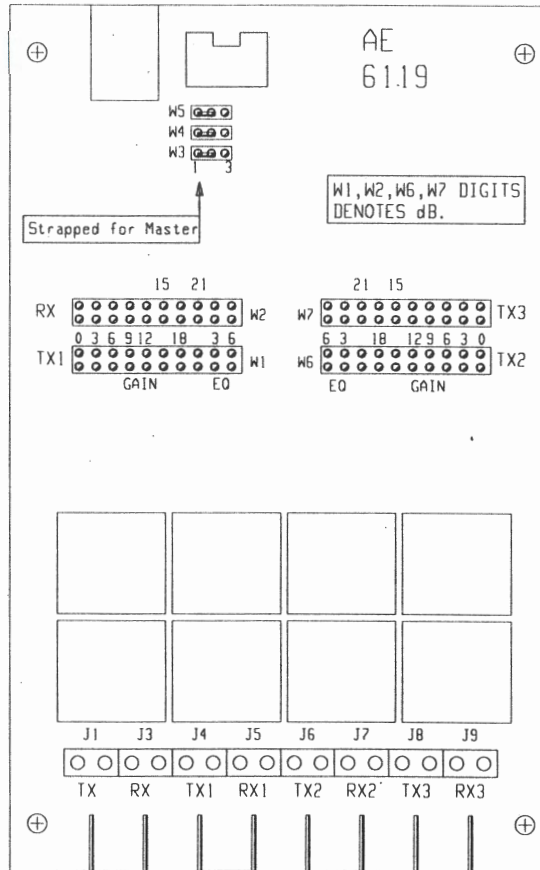
Notes:

Adjustments AE 6119

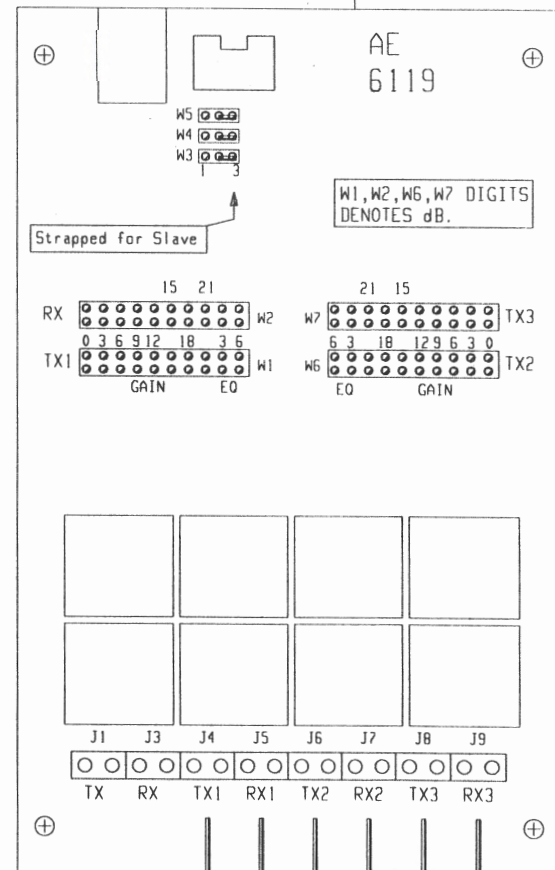
- Adjust the line amplifiers by W1, W6 and W7 for each control box position TX1-3 line attenuation to get the nominal level of -13 dBm at J1. Unused control box positions should be strapped for 0 dB gain
- Adjust the line amplifier by W2 on each AE 6119 for base station RX line attenuation to get the nominal level of -13 dBm at each control box position RX1-3.
- The EQ straps can compensate the line by 0,+3,+6,+9 dB at 3000 hz.
- For connection of lines, power and expansion in rack system please consult separate instructions.

Strap Table for AE 6119 optional 6 controlbox

Strap	MASTER	SLAVE
W3	1-2	2-3
W4	1-2	2-3
W5	1-2	2-3



BASE LINES CONTROL BOX LINE POS 1 CONTROL BOX LINE POS 2 CONTROL BOX LINE POS 3



CONTROL BOX LINE POS 4 CONTROL BOX LINE POS 5 CONTROL BOX LINE POS 6