Plan 1
(Door)

A
U
D
I
O

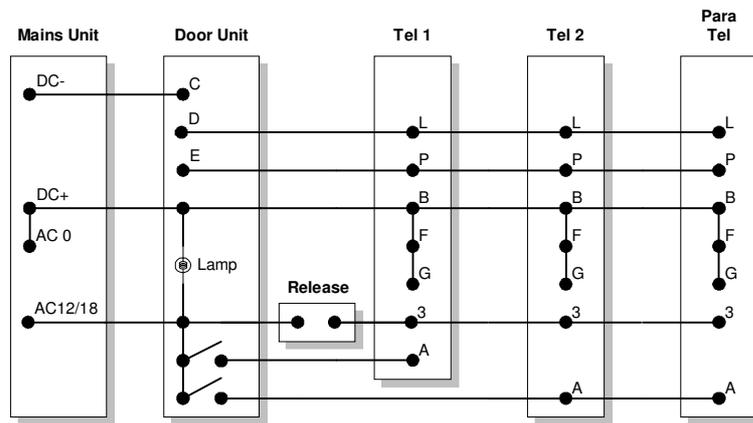Mains Unit | Door Unit | Tel 1 | Tel 2 | Para Tel

Operation

Notes

Plan 1 is the most common form of system found. It provides communication between an entrance and any number of occupant plus remote releasing of the door.

1. **Mains unit current limitations mean no more than 4 buzzers will ring simultaneously.**

2. **Adjustment of overall speech volume is achieved by varying the DC speech voltage.**

3. **Ensure all links are inserted where shown.**

**PROBLEM?
PLEASE DO NOT HESITATE TO CONTACT OUR
TECHNICAL DEPARTMENT
WE ARE HERE TO HELP!**

The list below indicates the function of each terminal, this provides useful reference particularly for tracing faults or for a fuller understanding of how the system works.

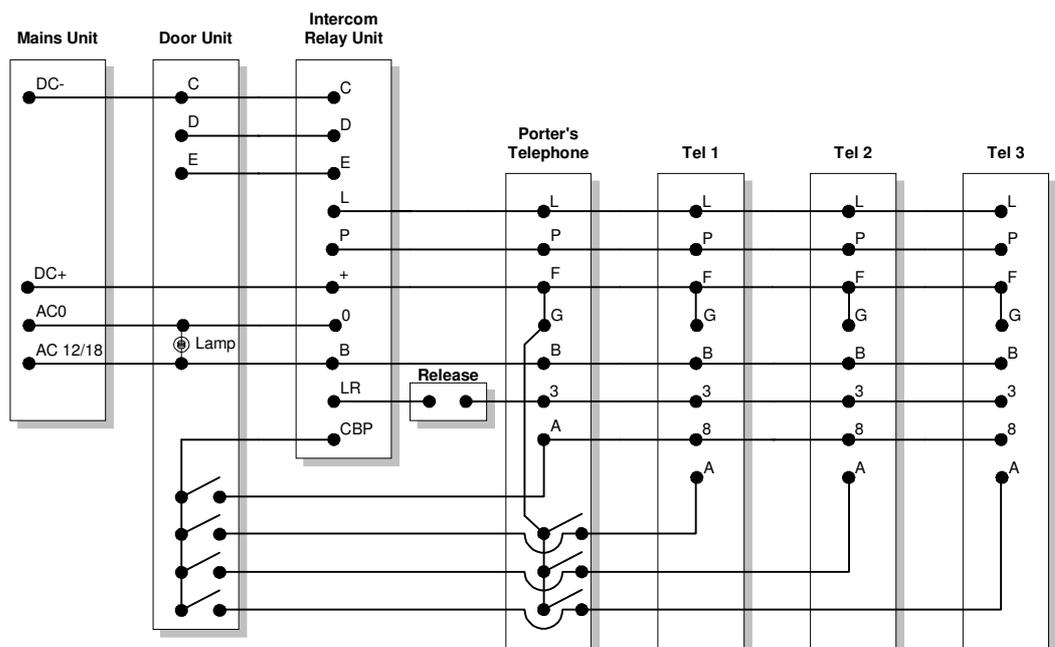| At	Terminal	Description
D/U	C	DC COMMON FOR SPEECH AT DU
D/U	D	SPEECH TO PHONE
D/U	E	SPEECH FROM PHONE
D/U	Lamp 24V	LAMP FOR BACK LIGHTING
M/U	0	AC OUTPUT
M/U	+/0	DC & AC COMMON OUTPUT
M/U	-	DC OUTPUT
M/U	12/18	AC OUTPUT
R/U	CBP	COMMON BELL PUSH
R/U	LR	LOCK RETURN
TEL	3	TOP MIDDLE BUTTON
TEL	8	BOTTOM MIDDLE BUTTON
TEL	A1	CALL LINE (BUZZER)
TEL	A2	CALL LINE (ELECTRONIC RINGER)
TEL	B	BUZZER COMMON
TEL	F	COMMON FOR SPEECH
TEL	G	COMMON FOR BUTTONS
TEL	L	SPEECH FROM DOOR
TEL	P	SPEECH TO DOOR

Plan 2
(Door & Porter)

Operation

As plan 1 but with the additional facility of internal intercom with a porter. The intercom relay detects when an internal call is made and turns off the speech to the door unit. A call at the door or when a handset is replaced switches the relay back to its default position with the door speech connected.

Additional Notes

1. Diagram shows porter's unit as a separate multi-button call panel and telephone. For systems with less than ten main line telephones a multi-button telephone can be used.

Mains Unit | Door Unit | Intercom Relay Unit | Porter's Telephone | Tel 1 | Tel 2 | Tel 3
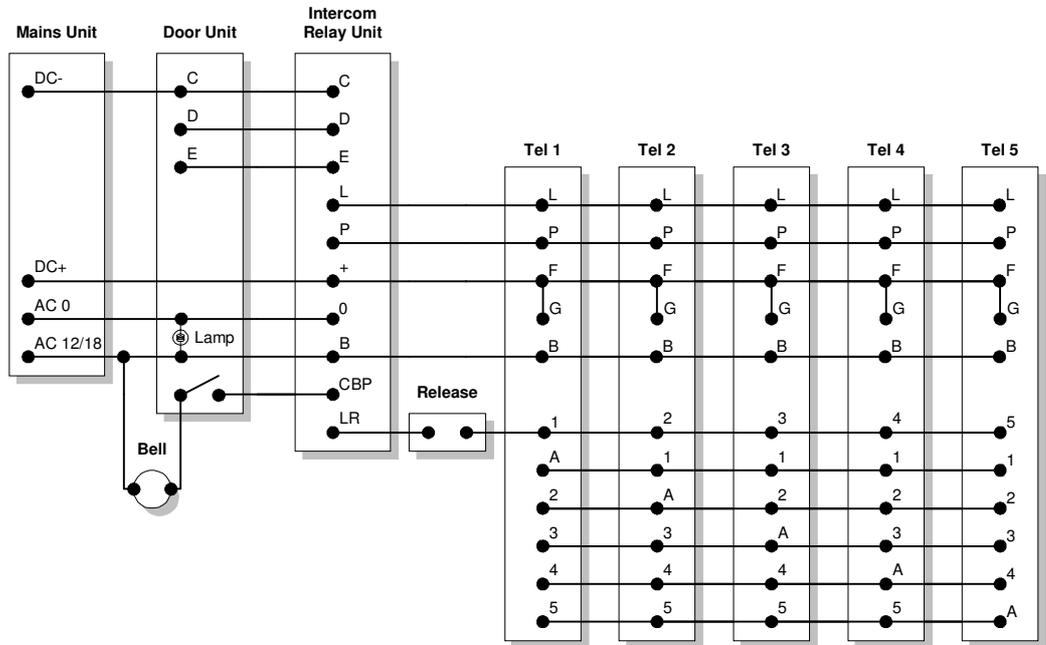
CE

Plan 3
(Door & Intercom)

Operation

As plan 1 but with the additional facility of full internal intercom between phones. The intercom relay detects when an internal call is made and turns off the speech to the door unit. A call at the door or when a handset is replaced switches the relay back to its default position with the door speech connected.

Additional Notes

1. Diagram shows system with single-button door unit; intercom calling between multi-button telephones and separate bell for door ringing.
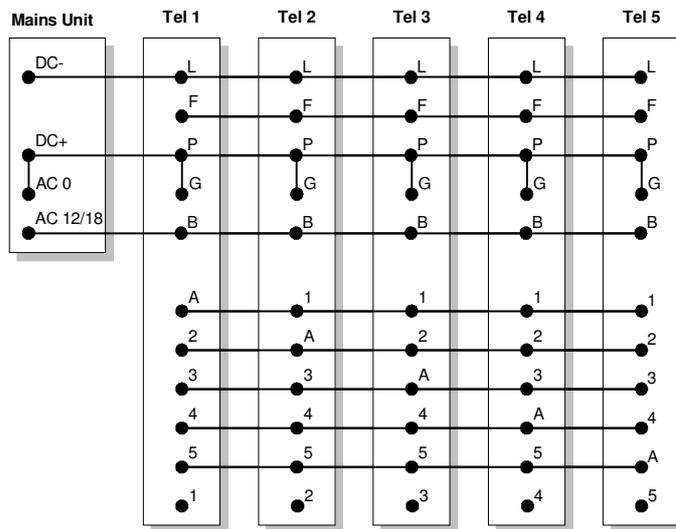
Plan A
(Intercom)

Operation

A basic intercom system with calling and common speech intercom between up to eleven wall mounted telephones.

Plan B
(Radial Intercom)

Operation

A radial intercom system providing two-way calling and common speech between a master porter's telephone and any number of telephones.

Mains Unit — DC-, DC+, AC 0, AC 12/18

Door Unit — C, D, E, Lamp, CBP, Bell

Intercom Relay Unit — C, D, E, L, P, +, 0, B, CBP, LR

Release

Tel 1, Tel 2, Tel 3, Tel 4, Tel 5

Porter's Telephone

CE