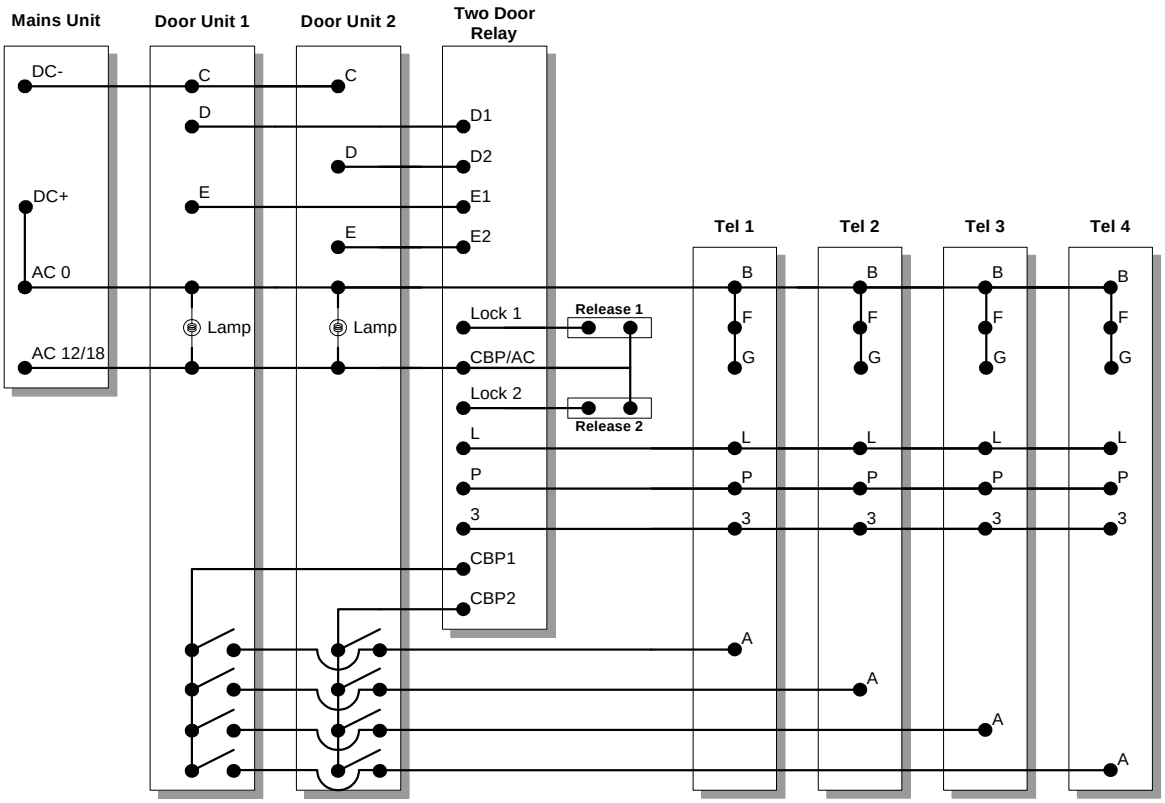
Plan 21
(Door)

AUDIO

Entryphone® Wiring Diagrams
for two door systems using the 99RU Switching Relay



Operation

The 99RU relay is for use where it is required for two doors to be answered by the same telephones. E.g. where a building has a front and a rear entrance. The 99RU operates by detecting the ringing from either door and then switches the speech and release lines to that door and disconnects them from the other door.

Notes

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
TEL	3	TOP MIDDLE BUTTON
TEL	8	BOTTOM MIDDLE BUTTON
TEL	A	CALL LINE (BUZZER)
TEL	B	BUZZER COMMON
TEL	F	COMMON FOR SPEECH
TEL	G	COMMON FOR BUTTONS
TEL	L	SPEECH FROM DOOR
TEL	P	SPEECH TO DOOR

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Plan 22

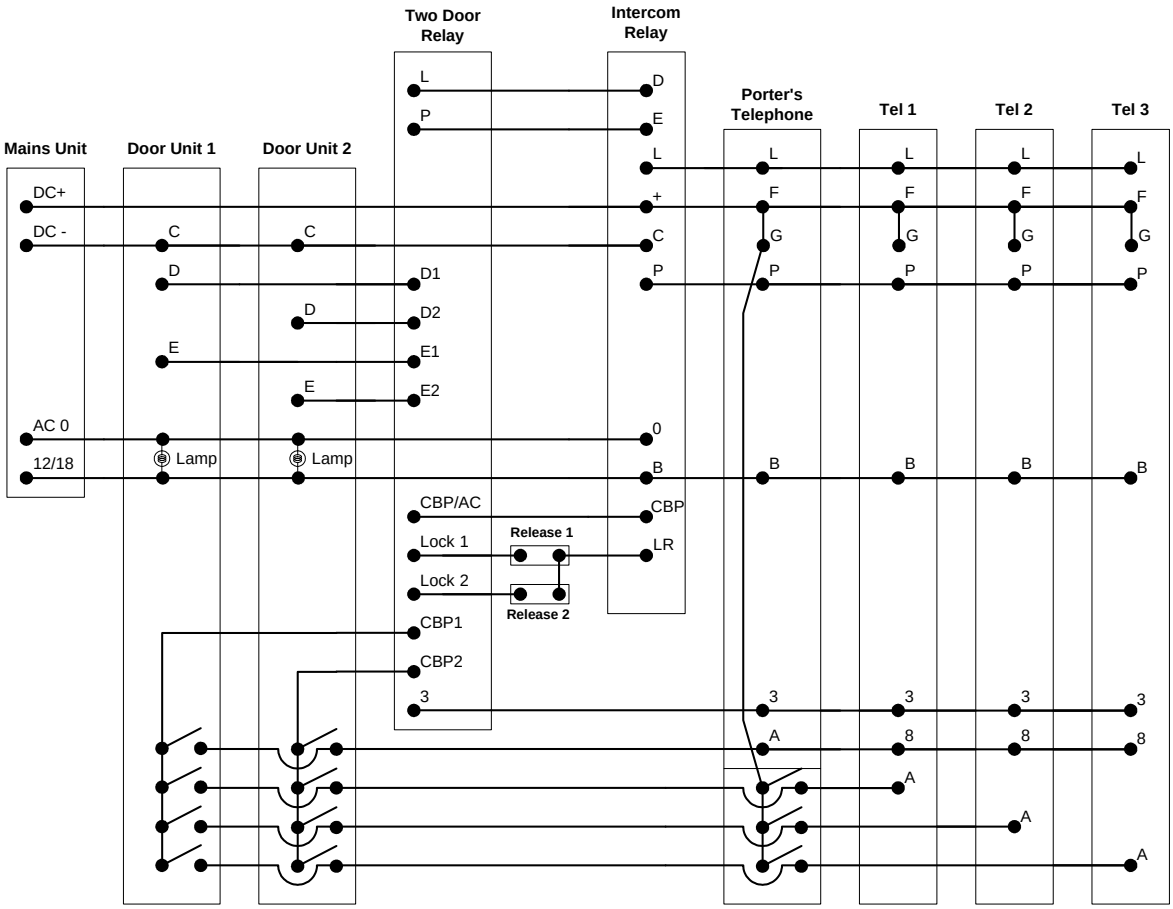
(Door & Porter)

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.

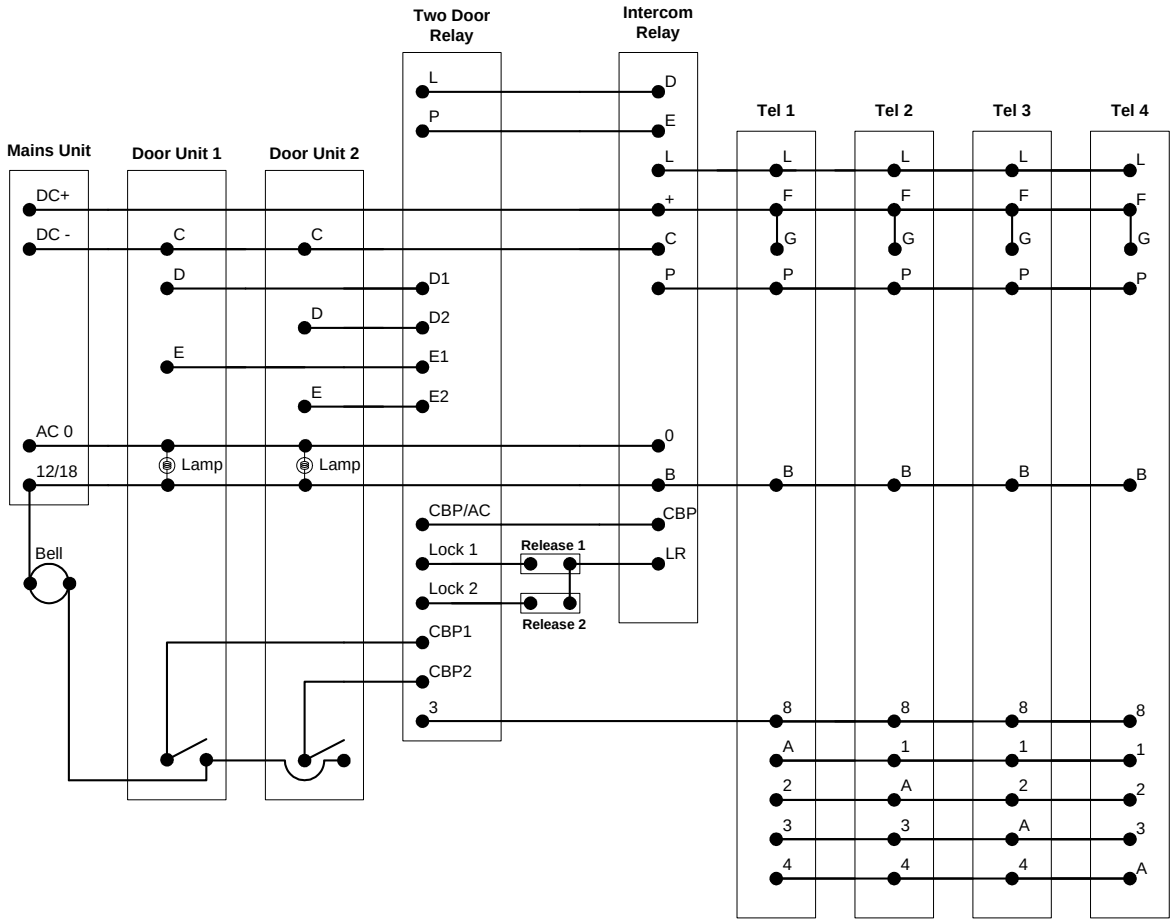


Plan 23

(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.