

Installation of the Door Entryphone System

From an electrical point of view, the combined systems may be regarded as separate door entry and coded access systems with the exception of a common lock release. The coded access system and its installation is described in detail in the preceding half of this manual. The wiring diagram on page 42 shows the wiring connections for the Door Entry Telephone System, including the simple connections which interface with the C106 Coded Access Controller.

The Model 801 Door Entry Telephone

This is designed to be wall mounted in a convenient indoor location.

The Entrance Panel

The entrance panel, containing the speech unit, is supplied with either a surface or flush-mounting back box. It should be mounted on an outside wall near the front door, and in a sheltered location.

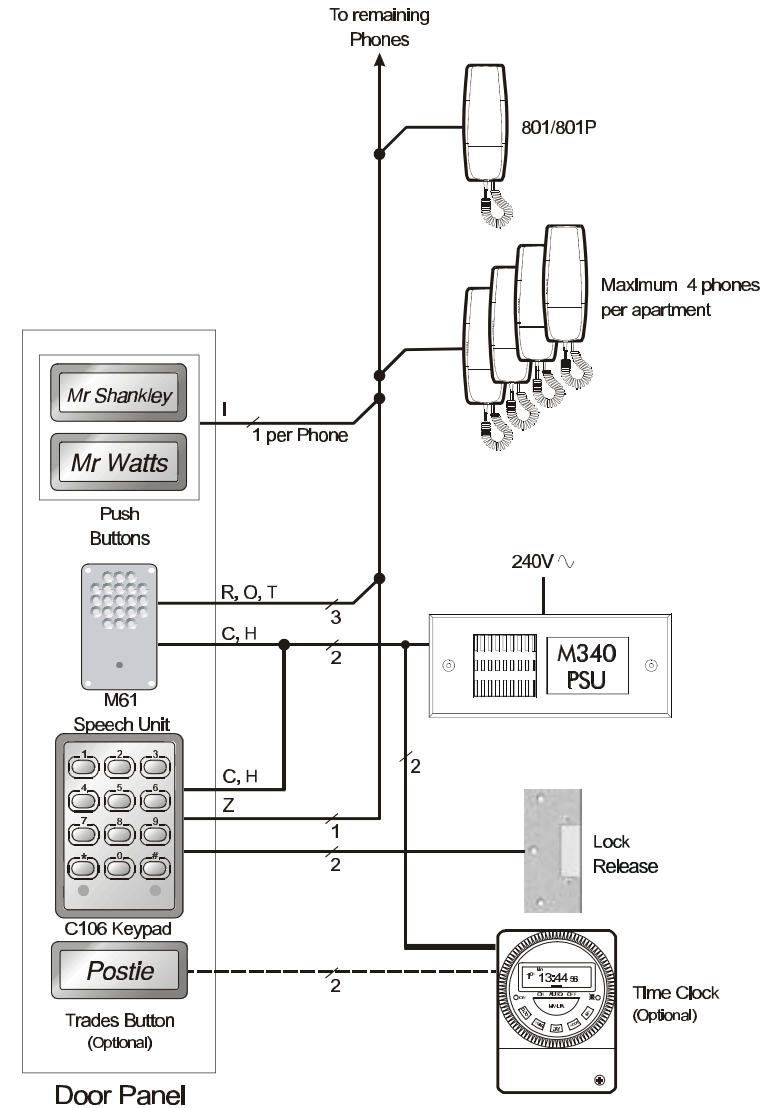
Extension Phones

Each apartment can have upto 3 extension phones (4 phones in total).

Tradesman button (optional)

This is used in conjunction with a time-clock to allow tradesmen access during restricted hours. The time-clock may be 240V AC or 12V DC operated, but must have a voltage-free isolated contact.

Cable Planning



Cable Requirements

For optimum clarity of speech it is strongly recommended that this system is installed using twisted-pair telephone cable (e.g. type CW1308). Use one of the pairs for the R & O connection between the speech unit and the telephone.

Connections	No. of cores	Core diameter	Cable length
Phone	4 + 1 per phone	0.5mm	100M max.
Power Supply	2	0.5mm	up to 15M
		1.0mm	up to 50M
Lock release (up to 500mA)	2	0.5mm	up to 5M
		1.0mm	up to 25M
Time clock	4	0.5mm	100M max.
Exit	2	0.5mm	100M max.
Trades Button	2	0.5mm	100M max.

In most cases cable length restrictions should not present a problem, however where longer lengths are required please refer to the manufacturer for advice.

Installation Procedure

Connect all items by following the wiring diagram, on page 42. It is strongly recommended that a single telephone be connected at a time and fully tested before proceeding to the next.

Speech adjustment

The model 61 speech units have two pots at the rear for adjustment of speech levels as follows:

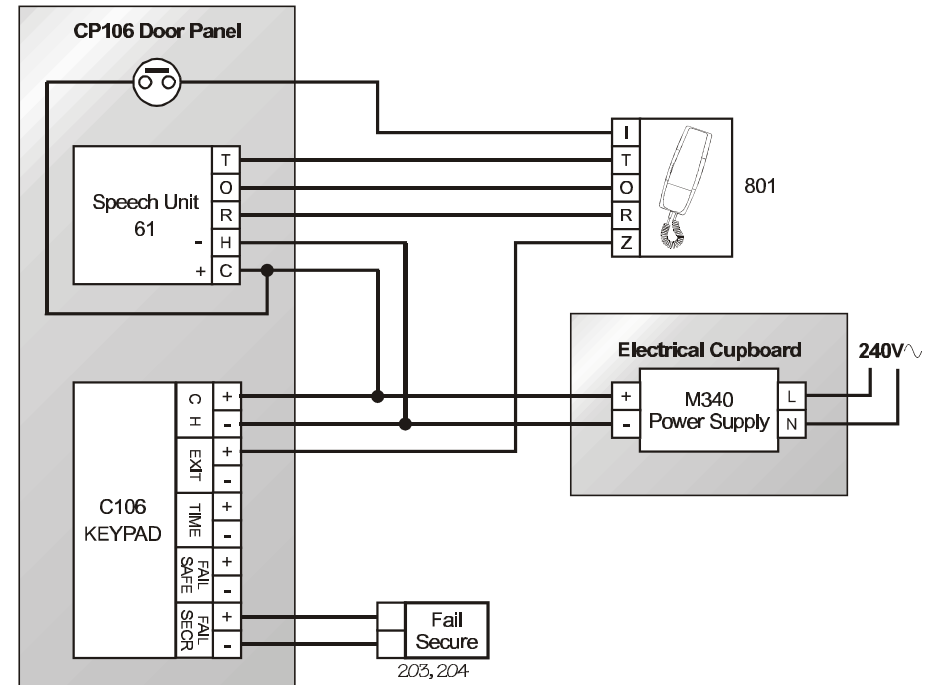
Volume A: Speech level at the Entrance Panel

Volume B: Speech level at the Telephone

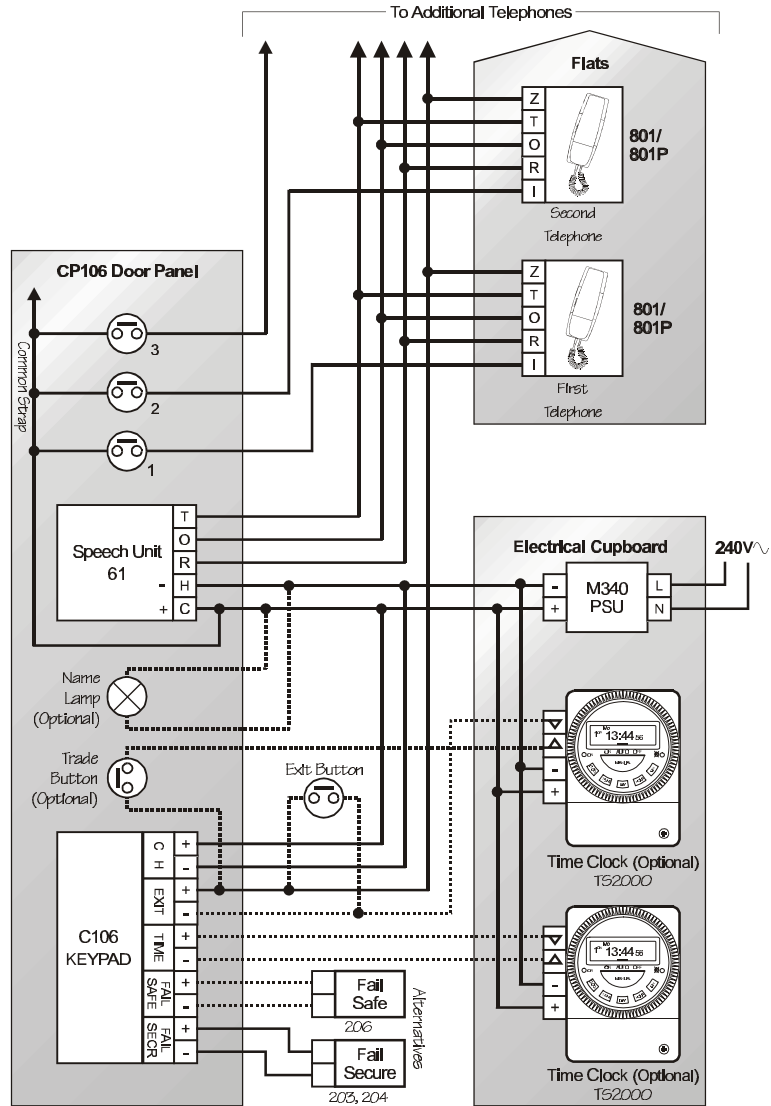
Miscellaneous Problems

Symptom	Possible Cause/Remedy
Telephone will not buzz.	<ul style="list-style-type: none"> Faulty 'O' or 'I' line between power supply and phone. Check 10.5V - 15V across 'I' and 'O' when called.
Telephone 'DOOR' button does not operate release; C106 test button does operate the lock	<ul style="list-style-type: none"> Missing connection to C106 Keypad Exit + terminal. Fault on 'Z' or 'O' line.
Trades, Exit button or Fire Switch inoperative.	<ul style="list-style-type: none"> Time-Clock is not running or incorrectly set (Trades button only). Check all connections to the EXIT terminal on the C106.

CS106-1 Wiring (1 Way Combined)



CS106 - N Wiring (Multi-way Combined)



Wiring Diagram - 2 Door System with the C106

