

Diagram 1 CSP Cable Planning

Installation of the Door Entry Telephone system

From an electrical point of view, the combined systems may be regarded as separate door entry and proximity access systems with the exception of a common lock release. The wiring diagrams show the wiring connections for the Door Entry Telephone system including the simple connections which interface with the Paxton reader.

The model 801 Telephone

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

The Entrance panel

The entrance panel, containing the speech unit and Paxton reader 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 up to 3 extension phones (4 phones in total).

Tradesman Button

This is used in conjunction with a time-clock to allow tradesmen access during restricted hours. The time-clock (preferably Bell System model TS2000-BST) may be 12v DC or 240V AC operated but **MUST** have a voltage-free isolated contact.

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.

Cable types;

0.5mm: Twisted pair, e.g. BT spec CW1308

1.0mm: 1.0mm² 'Twin and Earth'

Connections	No. of cores	Core diameter	Cable length
Phone	4 + 1 per phone	0.5mm	100M max.
Power Supply	2	0.5mm 1.00mm	up to 3M up to 12M
Lock release (0.5A)	2	0.5mm 1.00mm	up to 5M 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.

Power Supply – Important Information

The model 340 power supply must be wall mounted on to plasterboard, wood or a similar non-conductive material, in a protected indoor environment and close to a 240V AC electrical supply e.g. an electrical cupboard. Connections to the 240V AC mains supply must be carried out by a qualified electrician or similar competent person, and made in accordance with accepted safety practices.

A two-pole switch (as provided by a Consumer Unit or Switch-Fuse) must be included to isolate both the Live and Neutral during installation or maintenance. The circuit must be protected by a fuse or other current limiting device, rated according to the capacity of the cable used, up to a maximum of 10A.

Fuse

The transformer is protected by a fuse; always replace this with the correct type and rating:

T200mA 250V (20mm glass fuse, 200mA, 250V, Time delay, approved to BS EN 60127 or equivalent)

Mains Cables

Use only mains cable to BS6004, BS6500 or equivalent within the following specified limits:

	Minimum	Maximum
Conductor diameter	1.0mm (0.75mm ²)	2.25mm (4mm ²)
Cable Diameter	4.0mm	8.0mm

When fitting the cables (both primary and secondary) ensure that the cable entry cut-outs in the enclosure lid are no larger than necessary for the cable diameter used and under no circumstances must they be taken beyond the outer cut-out zones.

Installation Procedure

Connect all items by following the wiring diagrams at the rear. 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 unit has 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

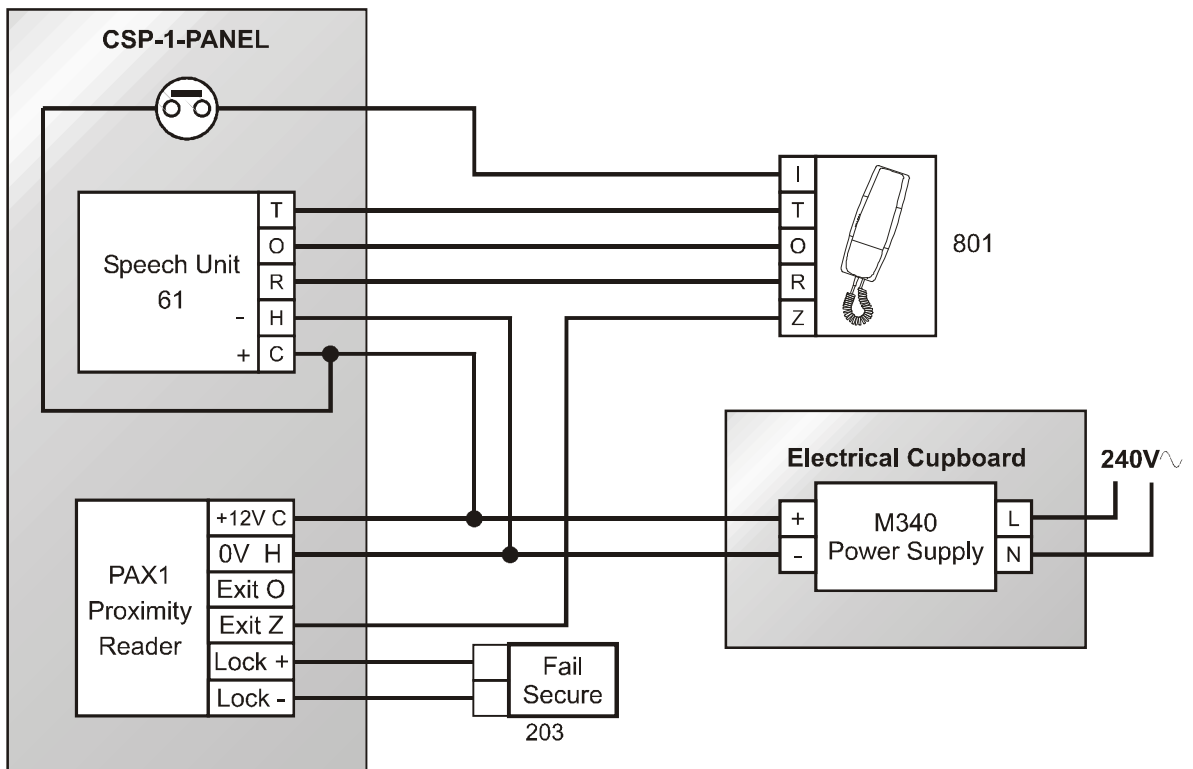


Diagram 2 CSP-1 One Station System

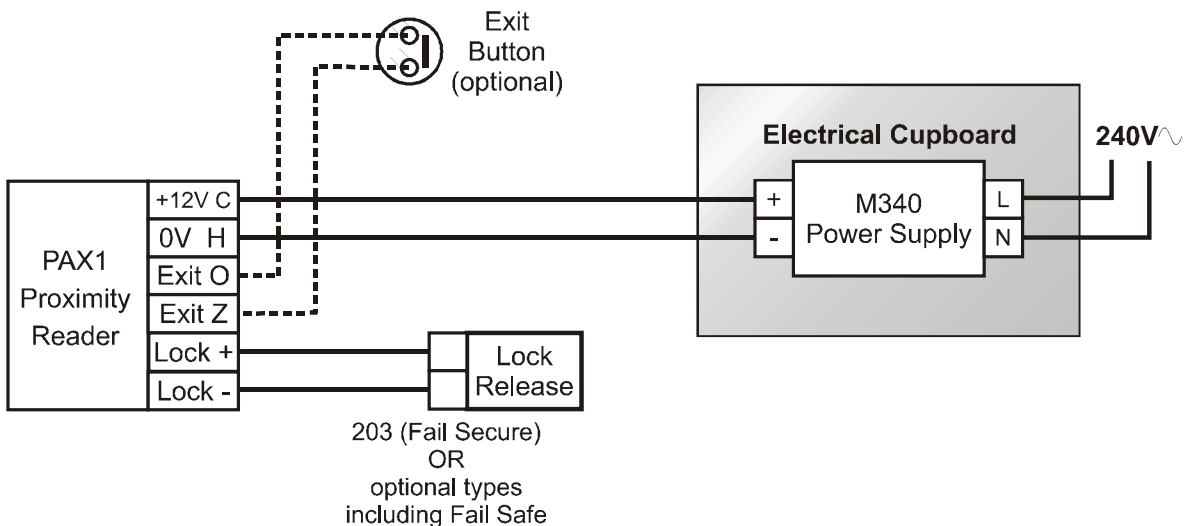


Diagram 3 PROX-KIT Rear / Second Door Proximity Kit

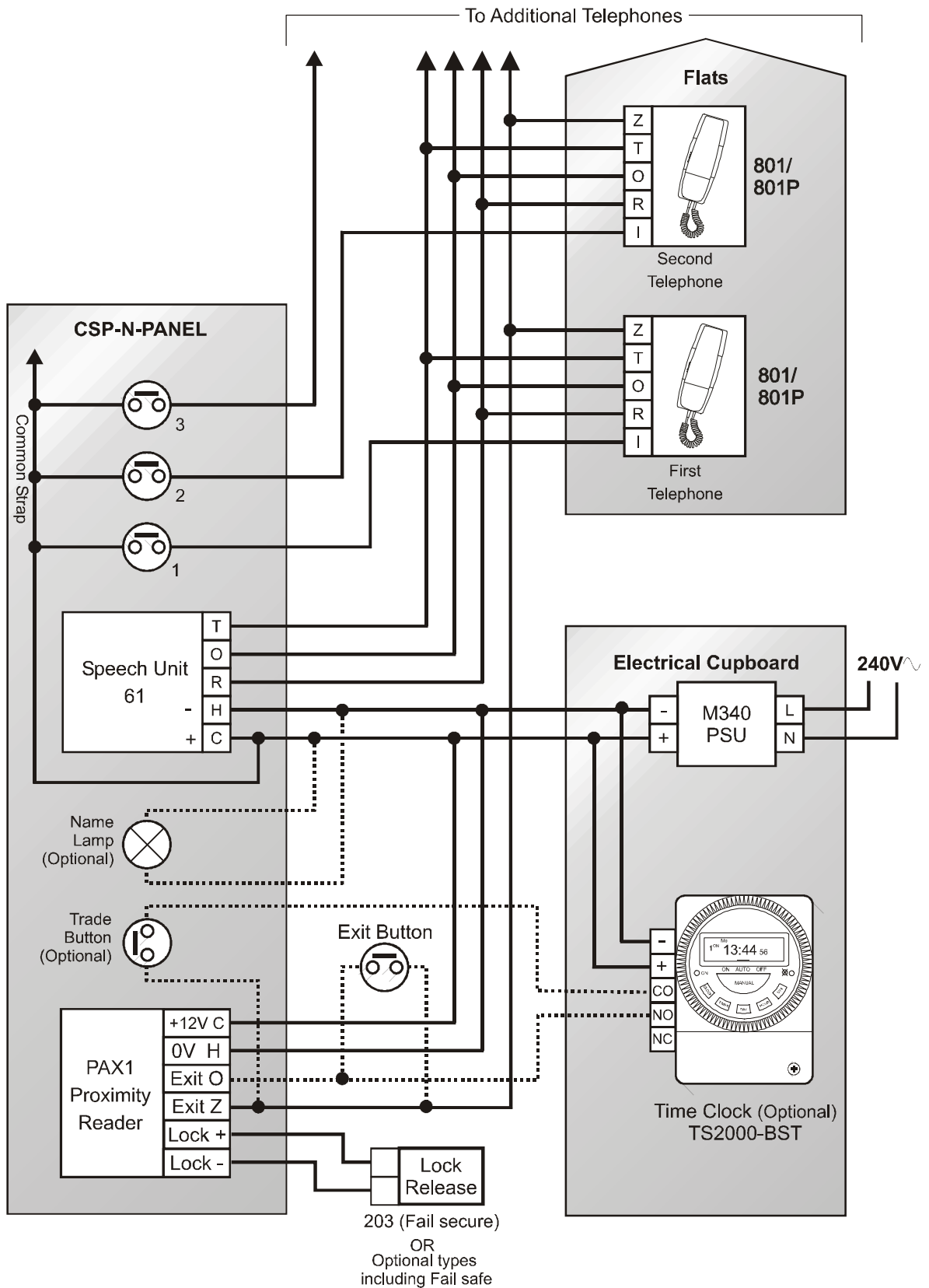


Diagram 4 CSP - Multi-way System

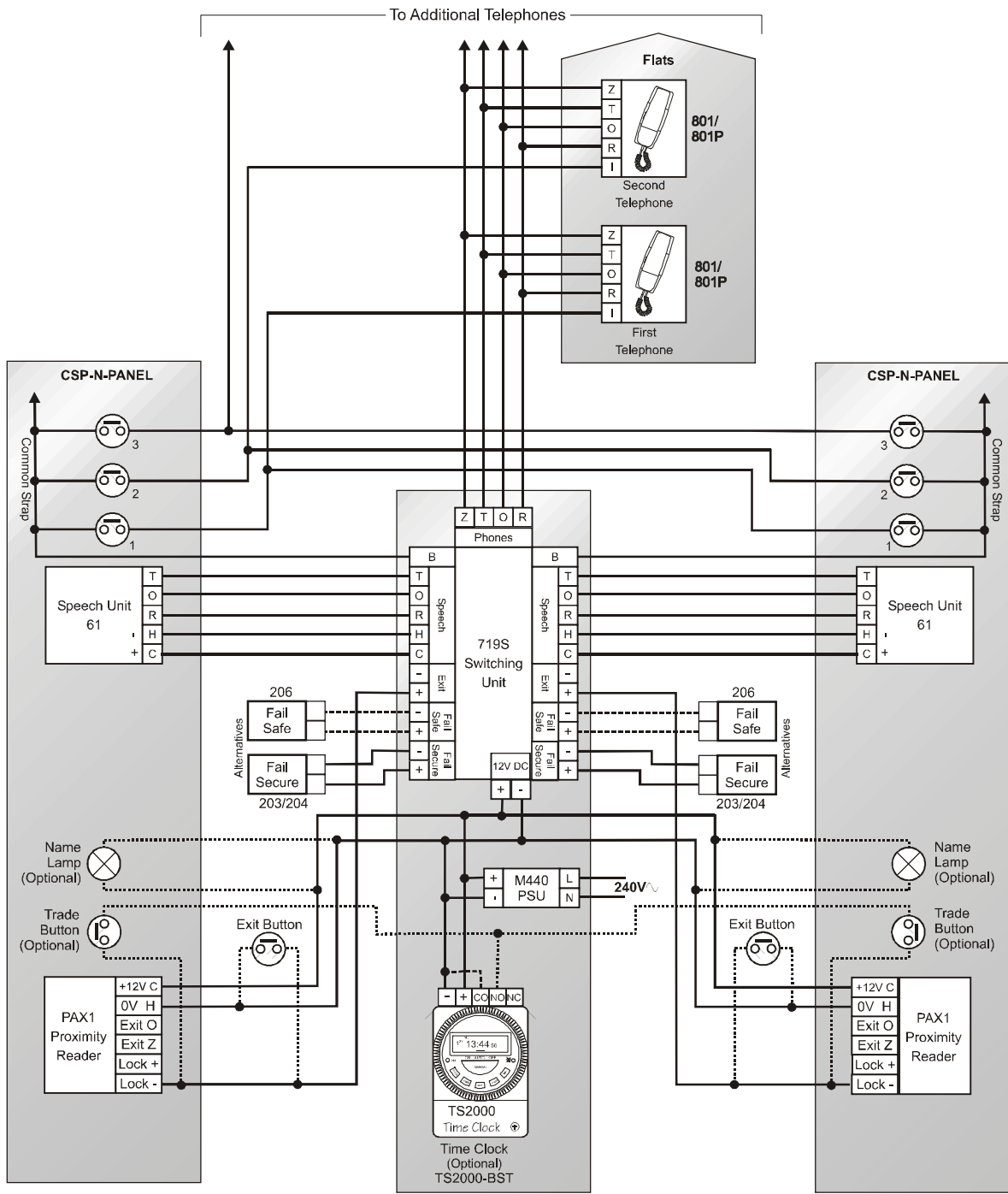
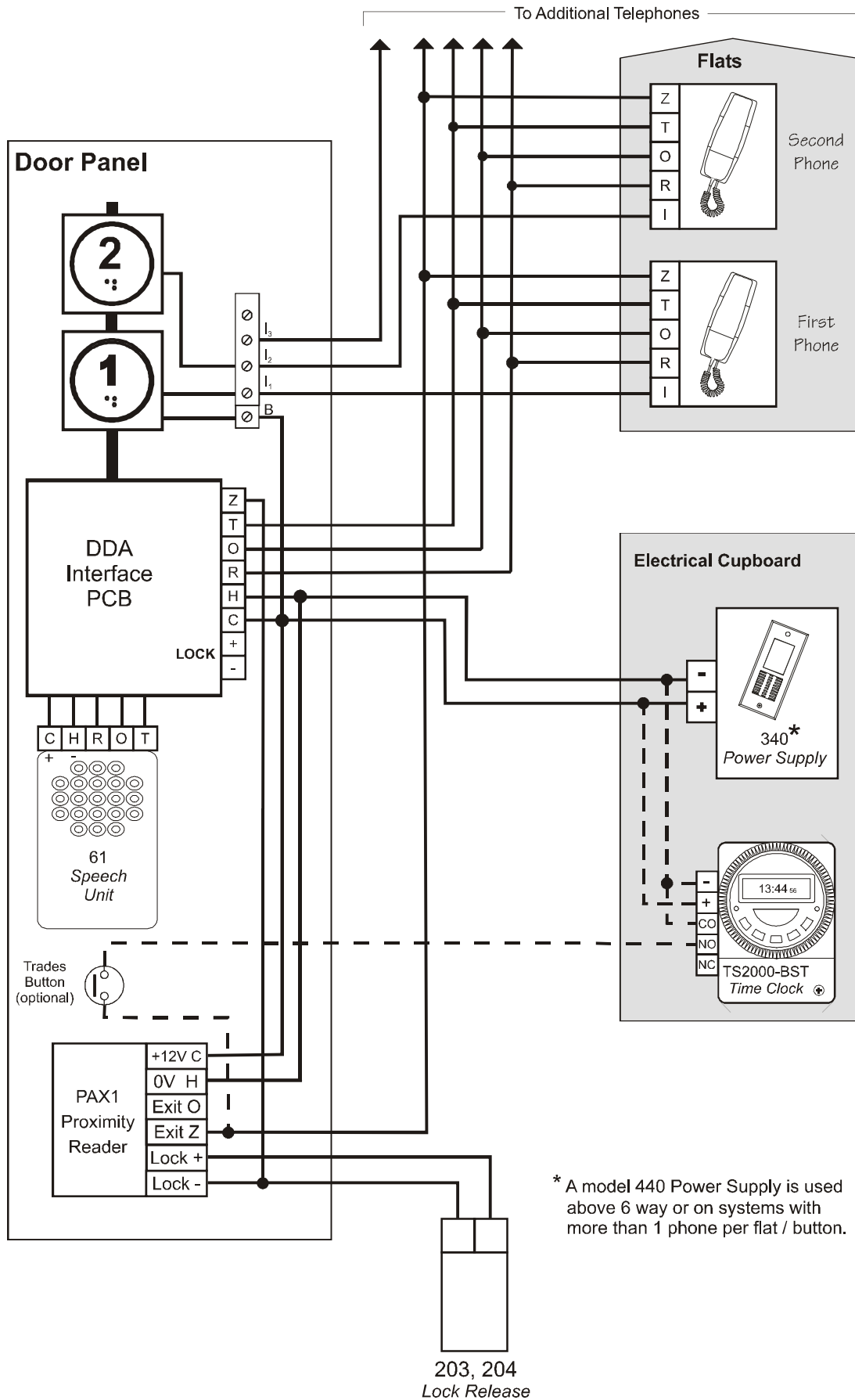


Diagram 5 CSP 2 Door System



* A model 440 Power Supply is used above 6 way or on systems with more than 1 phone per flat / button.

Diagram 6 CSP-DDA-n Systems