

**SelectLine LOW RISE (functional)**

**CLIENT & OPERATIONAL SPECIFICATION**

Select Manufacturing Limited  
Unit H1 - The Seedbed Centre - Wyncolls Road  
Colchester - Essex - CO4 9HT  
Telephone: 01206 855800 – Facsimile: 01206 855801

## **CLIENT SPECIFICATION**

### **FULLY ISOLATED FUNCTIONAL CONTROLLED DOOR ENTRY SYSTEM**

#### **1.0 Entrance Panel**

- 1.1: The Functional entrance panel facia shall be manufactured from 3mm (12 Gauge) BS316 Stainless Steel and have a straight grained finish.
- 1.2: The entrance panel shall be front fixed (unless specified otherwise) with Triangular headed Vandal Resistant security screws.
- 1.3: Where a dual entrance system is required the entrance panel amplifier shall emit a tone to indicate system busy. If specified the entrance panel can be fitted with an aperture incorporating a 6mm Lexan window showing **Door Open** (green), **Busy** (red), **Talk Now** (yellow) and **Flat Called** (Amber) LED's.
- 1.4: All entrance panel push buttons shall be manufactured from stainless steel with a polycarbonate shell. They shall be individually fixed to the rear of the fascia plate via welded studs **secondary fixing plates are not acceptable**.
- 1.5: The button face shall be a minimum of 20mm diameter, flush fitting with a **Yellow** ring for DDA requirements (If specified) and have an internal shoulder to prevent the ingress of moisture.
- 1.6: Entrance panels are to include a "Trades" button (engraved as directed)  
The engraving shall be black deep filled stove enamel to a size specified by the client.  
Also Braille, Yellow button rings and user instructions as directed to the DDA specification.
- 1.7: All entrance panels shall have the following awareness tones:
  - a) Lock Released assurance.
  - b) Call reassurance
  - c) System busy
  - d) Door Open alarm (Has Adjustable Trigger and Duration Time)
  - e) Privacy Engaged
  - f) Door Open Tone (can programmed to be ON or OFF)
- 1.8: Where Sensor Touch panels are specified the buttons shall be of stainless steel with no moving parts and shall be individually fitted to the facia plate.
- 1.9: Where required the entrance panel must be able to incorporate a proximity access reader.  
The access reader shall be DDA approved, protected by 6mm Lexan and be fixed via individual studs welded to the rear of the facia plate and with a Braille key logo to the DDA standard.

#### **2.0 Entrance Panel Amplifier**

- 2.1: The amplifier shall be able to maintain clarity of speech over normal ambient conditions without experiencing distortion.
- 2.2: The amplifier volume controls must be bi-directional through an integrated circuit to give full control of speech on the system.

# SelectLine Functional Audio Controlled Entry Specification

---

## 3.0 Telephone

- 3.1: The telephone shall be constructed from ABS impact resistant plastic and be suitable for wall or table mounting.
- 3.2: The telephone shall be manufactured with the following facilities:
- a) Full Duplex speech.
  - b) A momentary button to set and cancel the Privacy period.
  - c) A green LED to indicate the privacy switch is in the **ON** mode.
  - d) A red LED indicating door status by flashing when the lock is released and steadying when the door is in the open position.
  - e) A momentary button to release the entrance door.
  - f) A call Concierge button (where specified).

## 4.0 System Controller

- 4.1: The system Controller shall have the following standard features:
- a) Integral Battery Backup.
  - b) Two-entrance availability on 4, 8, 12 & 16 and Single entrance 4 & 8 way Controllers.
  - c) Space for a 12V 7Ah sealed lead acid battery.
  - d) **Individual** door lock release time. 

<b><u>Time availability</u></b>
2-255 seconds 10 seconds
  - e) **Individual** door call duration timer. 

2-255 seconds 30 seconds
--------------------------
  - f) **Individual** entrance panel telephone ring time. 

2-255 seconds 30 seconds
--------------------------
  - g) **Individual** entrance door alarm sounder delay time. 

2-255 minutes OFF
-------------------
  - h) **Individual** entrance door alarm sounder duration time. 

2-255 minutes OFF
-------------------
  - i) **Individually** timed flat privacy times. 

10 minutes – 16 hours(8 hours default)
--
  - j) **Individually** programmed ring volumes (Four) and an AC call line.
  - k) Digital Trade Clock (with secondary Trade Clock connections if a BST clock is required).
  - l) Full Electronic isolation against Line, Button and Lock Release short circuit.
  - m) 3 x 12VDC Auxiliary Outputs totalling 3Amps.
  - n) Discrete speech.
  - o) Discrete Lock Release (Will only release when called and handset lifted).
  - p) Fireman/Override inputs (to Fire Brigade compliance).

#### **4.0 System Controller cont...**

- q) Input for secondary Trades Clock.
- r) RS232 output for PC or Concierge linking.
- s) Outgoing Line/Flat identification space.
- t) Internal protection against multiple calling.
- u) 12VAC/DC lock outputs (12VAC Lock release is **not** maintained on battery Standby).
- v) Momentary and Timed Request to Exit (RTE) inputs.
- w) Proximity access input.

#### **5.0 Cables (CW1308 Multi-pair)**

Audio and Low Voltage cables shall be of approved type having a minimum of 0.5mm tinned copper conductors enclosed in a PVC sheath. (Suggested standard CW1308)

All Multi-pair cables shall carry a minimum of 10% spare conductors.

Cable colour code connections are to be to manufactures specification and drawings.

All door release and earth continuity cables must be to the manufactures specification.

#### **6.0 Batteries.**

The System Controller shall contain the manufactures specified sealed lead acid batteries that will operate the system for a specified time in the event of a failure of power.

#### **7.0 System Compliance**

The system suppliers shall be in full compliance with the protection requirements of the Council Directive 89/336/EEC on the approximation of the laws of the member states relating to electromagnetic compatibility when installed in strict accordance with the manufactures instructions.

## **SYSTEM SPECIFICATION & OPERATION**

### **FULLY ISOLATED FUNCTIONAL CONTROLLED DOOR ENTRY SYSTEM**

#### **1:0 System Specification**

The system shall be designed to control up to 16 telephones via a 16 line System Controller.

The system shall be capable of controlling two entrance panels, which shall incorporate individual buttons to each dwelling, plus a Trades button for trades' access controlled by a digital time clock located on the System Controller. (Or external BST clock if specified).

All line circuits shall be electronically protected against short circuit so as to isolate an individual incident and not cause a general system fault.

Where a two-entrance system is in operation the system shall offer visual and audible notification of system busy.

This operation shall be achieved by a tone at the entrance panel, or if specified a Lexan window with Busy, Enter, Talk Now and Flat Called LED's incorporated into the entrance panel facia.

The system shall contain circuitry to operate a Fireman/Override switch. This switch can be incorporated in or above the entrance panel and must be compliant with Fire Brigade regulations. ie. The button is to have a double pole switch that will release the door via the system and a direct break of the power to lock release.

All apartment numbers must be clearly labelled at the termination strip in the System Controller.

The System Controller shall contain a standby power supply and charger to maintain and recharge sealed lead acid batteries in readiness for main power failure where the batteries will run the system for a specified time ie. 4 hours.

#### **2:0 System Operation**

To call a dwelling the visitor presses the number relating to the flat required and awaits an answer. There will be a reassurance tone and an Amber indicator at the entrance panel confirming an apartment has been called and where a Talk Now Indicator is fitted the Yellow indicator will illuminate in the display when the handset is picked up.

The occupier will now have a ringing tone from their telephone handset which when picked up will cease and a two-way conversation can commence.

If the occupier wishes the visitor to enter they will press the **Lock Release** button on the telephone handset and the door release will be activated and a tone will be heard in the earpiece.

This will cause the red door monitoring indicator on the telephone to flash indicating door release, when the entrance door is opened the red door monitoring indicator will steady and remain so until once again the door is in the closed position.

The visitor will also hear an audible tone at the entrance panel or see a green flashing indicator in the entrance panel display (if specified) indicating the door has been released and they can now enter. The lock release for each door is adjustable at the System Controller from 2–255 seconds, but is set at 10 seconds on each door as a default.

## **2:0 System Operation cont...**

The door-monitoring indicator is designed to alert all occupiers that a door is insecure and is not in the closed position. This is achieved by the System Controller monitoring the micro switch contacts on a Solenoid Release, Electro-magnetic lock or a pair of door contacts in the top of the doorsill.

Linked to the door monitor contacts is an integral door alarm. When the entrance door is opened the door alarm delay timer in the System Controller is triggered (2–255 minutes). Once the pre-set time is reached the door sounder will operate, again for a pre set period (2–255 minutes) or will cease when the offending door is closed. The door alarm is set at OFF as default.

The **Privacy switch** and indicator on the telephone handset are designed to activate and indicate the status of the privacy function. The occupier can, in the event of nuisance or requiring solitude place them selves in privacy mode.

This is achieved by pressing the **Privacy switch**. This will illuminate the privacy indicator and give a timed or cancellable time period.

It is important that each telephone handset has **an independent timer** as this gives flexibility to the occupier's standard or special needs.

The privacy timers are set to a default of 8 hours but can, if required be easily changed via dil switches in the System Controller.

If a visitor calls a dwelling that is in privacy mode the entrance panel will emit an unobtainable tone to indicate the occupier has set his privacy switch to the ON position. (This does not mean the flat is unoccupied).

The Telephone Handset is designed with a progressive ringing tone, this facility will give two soft rings to announce a call. As the ringing tone is through the earpiece this gives a safety margin if the telephone is ringing off the hook and is picked up and placed to an ear.

With regard to the hard of hearing the system must be capable of adding a Strobe light without the need of extra wiring to the Telephone/Monitor or auxiliary power supplies.