System Cabling

All system cabling (excluding mains 240vAC supply) has been tested with Cat5E UTP PVC cable.

Part Number - ABNFORCE5EUTP

Find this product online:
elandcables.com | Cables & Accessories | LAN Cable | Cat 5E UTP PVC Cable
System Components

Door Station

Monitor

System Power Supply

Optional Accessories

EVBP5BB
Lock Power Supply

EV-EXIT
Push To Release

EV-EBG
Emergency Release

EV-ML-250/500XT
Electro-magnetic Lock

ENTERD
Electric Lock
Installation

Site the door station a recommended 1.5 meters from the ground, or to suit application. The camera needs to point in the direction of where a visitor will stand during operation. Avoid areas of high sunlight and noise levels. Surface mount the sunshield of the door station and connect the system cabling. Mount the camera to the sunshield by fixing with the supplied hex screw.

Site the indoor monitor to suit application. Surface mount the bracket of the monitor or if required onto a 1-gang mount box (not supplied). Make the system connections to the back of the monitor and then slide the monitor onto the bracket using the hooks to hold firmly in place.
System Connections Example 1

The last monitor on the system line has the rear ‘K1’ switched ON.

Ensure the Address ID switches are both set to OFF.

Total cable run should not exceed 150 meters between door station and monitor.
Power supply to be within 100 meters of monitor.
No cable or connection polarity.
System Connections Example 2

The system power supply can support up to 5 devices

1. The last monitor on the system line has the rear ‘K1’ switched ON. All other monitors ‘K1’ switch to OFF

2. Please review page 12 to set monitor to MASTER or SLAVE.

3. If different types of Monitor / handset are being used on the same system, please refer to the supplied instructions to adjust Master/Slave settings.

The dipswitches are accessible on the rear of the door station

When using multiple door stations ensure that each unit has a separate Address ID
Lock Connections Example 1

- Electronic lock
- Electro-magnetic lock
- Lock-release time
- NC for Electro-magnetic lock
- N.O for Electronic lock
- Timer 0~20S
- NC
- +
- –
- GND
- P.B

System Wiring

- LOCK1
- VCC
- BUS

At the rear of the door station ensure that the jumper links cover pins as per below

- J1
- J2
- J3

Lock Connections Example 2

- The jumpers on the rear of the door station offer different types of release modes for alternative applications dependent on the jumper link settings. LOCK1 options;
- N.O
- Volt-free
- J1
- J2
- J3

- N.C
- Volt-free
- J1
- J2
- J3

- N.O
- 12vDC300mA
- MAX
- J1
- J2
- J3

- Please refer to the operation guide for release instructions

- The door station has a secondary switch. LOCK2 options;
- N.O
- LOCK2
- LOCK1
- VCC
- BUS
- BUS

- N.O
- LOCK2
- LOCK1
- VCC
- BUS
- BUS

- N.O
- LOCK2
- LOCK1
- VCC
- BUS
- BUS

- N.O
- 12vDC300mA
- MAX
- J1
- J2
- J3
Door Station Programming Guide

Entering Administration Mode

Press  
2 tones will sound
Input administrator code (Default: 123456)
Press  
2 tones will sound
Administration Mode has been entered

The Administrator code will not release the door. A lock release code is required to be programmed

Setting a lock release code

Enter Administration Mode
Press 1
2 tones will sound
Press 0 1
For code location number
Press  
2 tones will sound
Enter 4 digit code required for door release

Press  
Re-enter 4 digit code required for door release
Press  
A long tone will sound
Press  
To exit and complete setup
Deleting a lock release code

1. Enter Administration Mode
2. Press 4
3. Enter code Location Number
4. Press 0 1
5. 2 tones will sound
6. Press #
7. A long tone will sound
8. Press to exit and complete setup

Changing the Administrator code

1. Enter Administration Mode
2. Press 2
3. Enter new 6 digit Administration Code
4. Press #
5. Re-enter new 6 digit Administration Code
6. Press #
7. A long tone will sound
8. Press to exit and complete setup
User Guide

A

The visitor presses the call button

B

A chime will sound

C

The visitor’s image will appear on the monitor

D

Press the ‘Talk’ button and begin conversation

Then choose between

1

Press the ‘Talk’ button to end call

2

Press the ‘Lock’ button to release lock and press ‘Talk’ to end call

Using the lock release code

Enter 4 digit lock release code

Press

The lock will release
Monitor Overview

The following monitor instructions are designed to be a quick start guide alongside the informative general user interface (GUI). The instructions are not exhaustive and are designed to lead the user quickly to the most often required aspects of the unit.
Setting Monitor as Master or Slave (Default Master)

1. In standby mode press the menu button and the time screen will display.

2. Press and hold the Key for 5 seconds and the Installation setup screen will display.

3. Press the menu button and use the right arrow to toggle between Master and Slave position.

4. Press the menu button to save setting, and press the exit symbol twice. After 10 seconds the monitor returns back to standby.
Accessing Monitor Functions

1. In standby mode press the menu button and the time screen will display.

2. Press the menu button whilst on the time screen and the main menu screen will display.

PREVIEW option for all system door stations.

INTERNAL CALL options

RECORDING & VIEWING options can be found in the ‘SD Card Memory’ menu

DATE and TIME settings can be found in the ‘User Setup’ option. Also includes ‘ring mode’ for selective ringing times.

RING TONE
Options for incoming, internal and optional door bell tone selections.
Accessing Monitor Adjustments

1. In standby mode press the preview button and the door station’s image will display.

2. During the preview press the menu button the adjustment controls will appear.
Installer’s Guide

When using multiple monitors on 1 system;
Only the 1 handset set as the MASTER will display an image when the door station is activated.
All other monitors will ring, and will display the image once the ‘Talk’ button is pressed.

**Master / Slave Setting**

A That the system is powered sufficiently.
B Each monitor needs to be set to a MASTER or SLAVE position
C All system cabling is secured and properly connected.
D All system cabling is clear of breaks or short circuits.
E Bench test the system if the issue cannot be found.

**In the event of no video or audio signals coming from the monitor, or if the call button or audio cannot be activated on the door station, check the following:**

A The user instructions and operation of the monitor has been understood.
B That the lock is powered sufficiently.
C All system cabling is secured and properly connected.
D All system cabling is clear of breaks or short circuits.
E On the rear of the door station, ensure the lock output is switching when activated by the monitor.

**In the event of a lock release issue, check the following:**