aperta

APKIT | COLOUR VIDEO DOOR ENTRY SYSTEM

USER MANUAL

esp®

Contents

System Cabling

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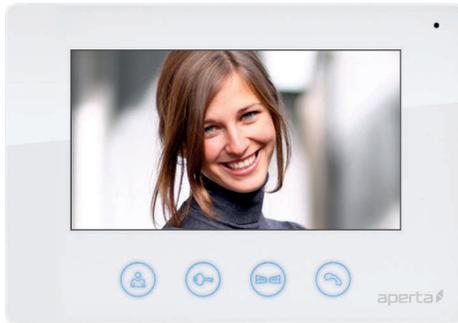
**ELAND®
CABLES**

Part Number - A8NFORCE5EUTP

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

System Components

APDSSW
Door Station

APMONW
Monitor

APPOWSWDR
System Power Supply

Optional Accessories

EVBPSBB
Lock Power Supply

EV-EXIT
Push To Release

EV-EBG
Emergency Release
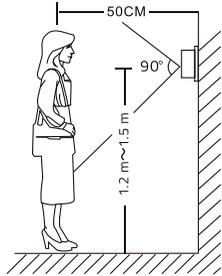
EV-ML-250/500XT
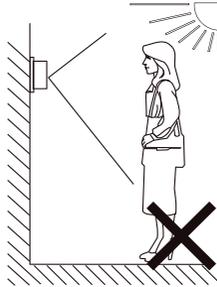Electro-magnetic Lock

ENTERD
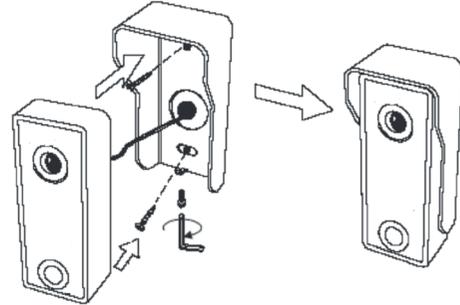Electric Lock

Installation

50CM

90°

1.2 m~1.5 m

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.

Monitor

Monitor Mounting Bracket

1-Gang Mount Box (if required, not supplied)
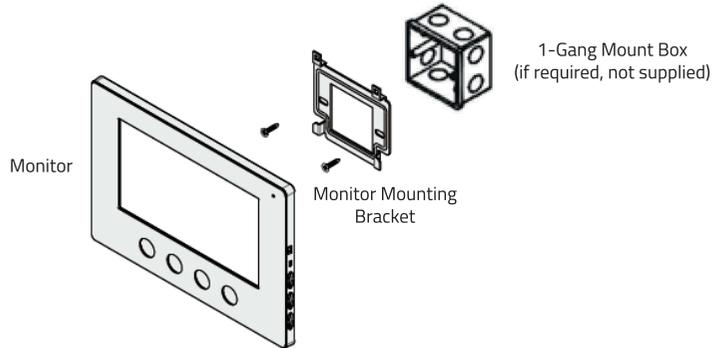
Surface mount the bracket of the monitor or if required onto a 1-gang mount box (not supplied). Make the system connections to the back of the monitor and then slide the monitor onto the bracket using the hooks to hold firmly in place.

System Connections Example 1

BUS

240vAC
INPUT

POWER
SUPPLY

BUS

Address ID
01

Dip switch 6 set to ON when device is at the end of system line.

Dip switch 7 set to OFF to select monitor as the 'Master'
Only one monitor on the system can be the 'Master'

Total cable run
should not exceed
150 meters between
door station and monitor

Power supply to be
with-in 100 meters
of monitor

No cable
or connection
polarity

Ensure the Address ID switches are both set to OFF

5

System Connections Example 2

The system power supply can support up to 5 devices

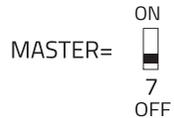| Total cable run should not exceed 150 meters between door station and monitor | Power supply to be with-in 100 meters of monitor | No cable or connection polarity |

1 Only one monitor is set as the MASTER:

ON
MASTER=
7
OFF

2 All other monitors set as SLAVE:

ON
SLAVE=
7
OFF

3 Last monitor on system line has dip switch 6 set to ON

ON
END OF LINE=
6
OFF
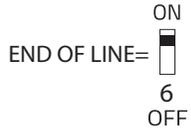
4 When using different style monitors on the same system, please refer to supplied instruction to configure Master , Slave and End of line position.

BUS — SLAVE END OF LINE

BUS — SLAVE

BUS — MASTER

240vAC INPUT — POWER SUPPLY

Address ID 02 — BUS

Address ID 01 — BUS

When using multiple door stations ensure that each unit has a seperate Address ID

Address ID 01 — ADD1 ADD2 — OFF ON
Address ID 02 — ADD1 ADD2 — OFF ON
Address ID 03 — ADD1 ADD2 — OFF ON
Address ID 04 — ADD1 ADD2 — OFF ON
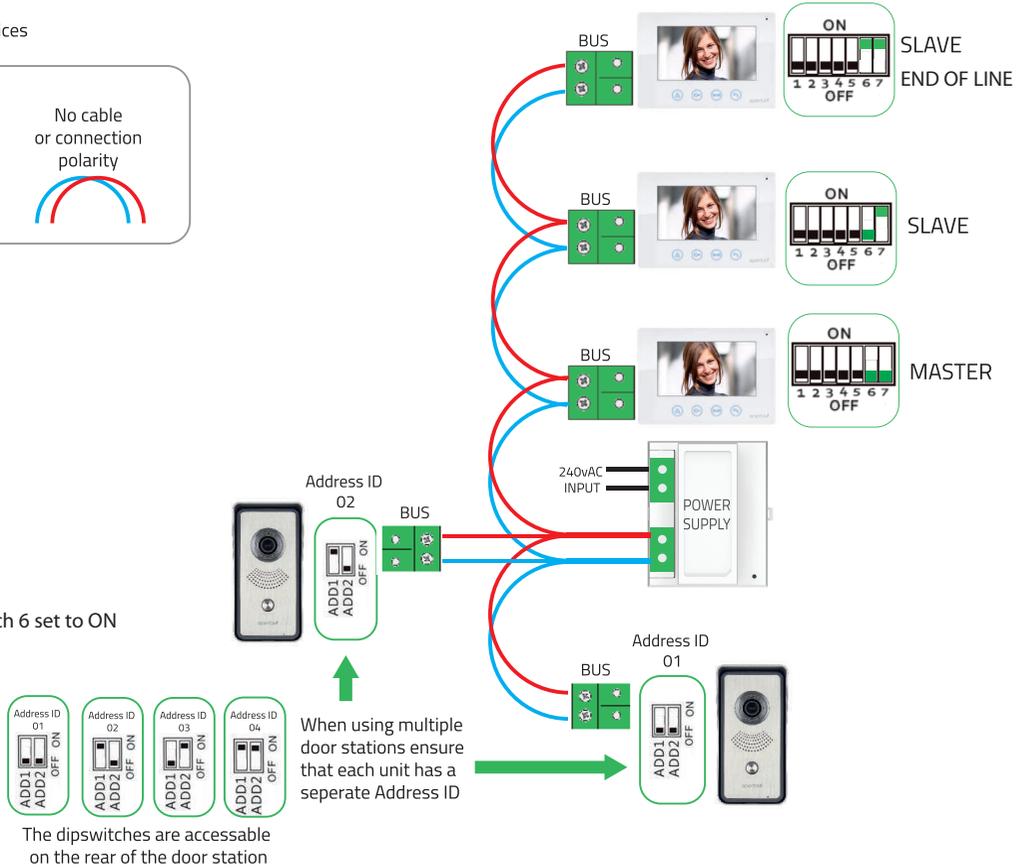
The dipswitches are accessable on the rear of the door station

ADD1 ADD2 OFF ON

ADD1 ADD2 OFF ON

Lock Connections Example 1

Electro-magnetic lock   Electronic lock

Timer 0~20S   ← Lock -release time

NC   ← N.C for Electro-magnetic lock
         N.O for Electronic lock

1 **+**
2 **—**
3 **+**
4 **—**
5 **GND**
6 **P.B**

LOCK1
VCC

System Wiring   **BUS**

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

J3 J1 J2
3
2
1

Image of
jumper link
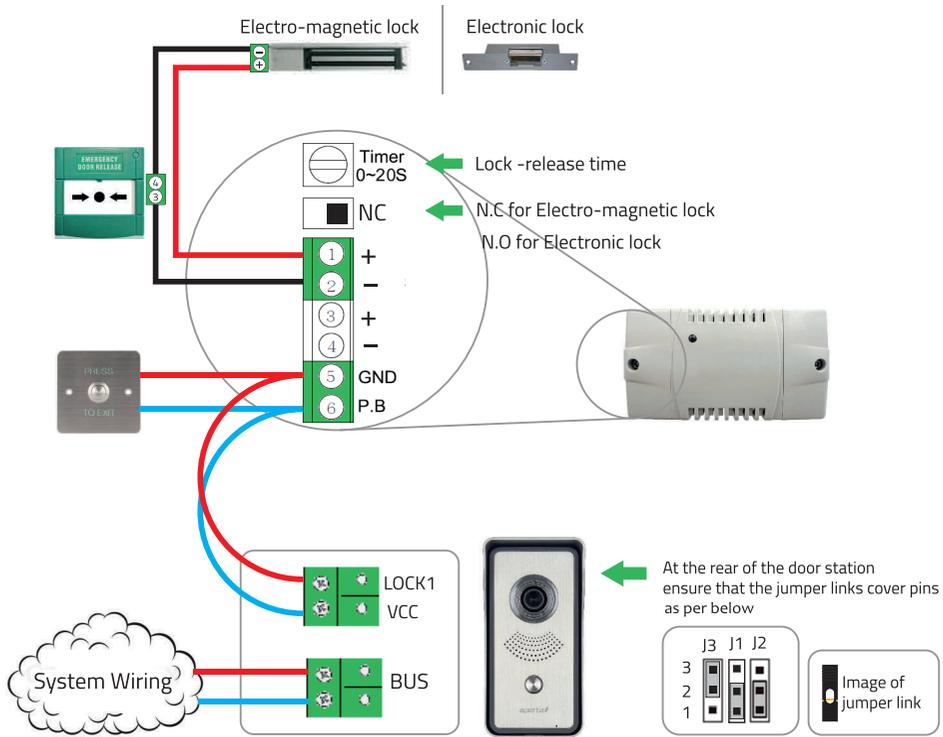
Lock Connections Example 2

● 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
J3   J2
3
2
1

GND
LOCK2
LOCK1
VCC
BUS
BUS

Image of
jumper link

N.C
Volt-free
J3   J2
3
2
1

GND
LOCK2
LOCK1
VCC
BUS
BUS

N.O
12vDC300mA
MAX
J3   J2
3
2
1

GND
LOCK2
LOCK1
VCC
BUS
BUS
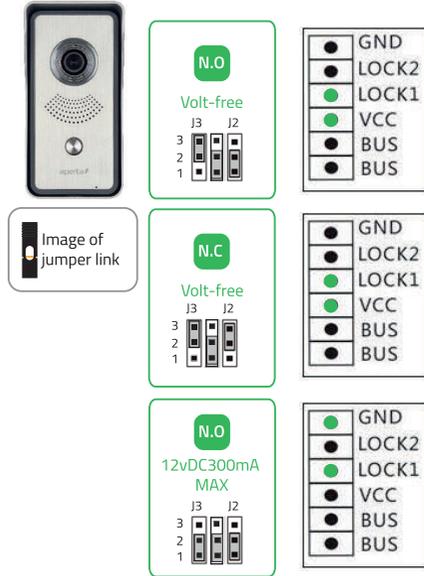
● Jumper 1 gives the option to set the release time;

5 sec.
J1
3
2
1

3 sec.
J1
3
2
1

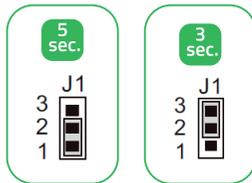● The door station has a secondry switch. LOCK2 options;

N.O
Volt-free
J3   J2
3
2
1

GND
LOCK2
LOCK1
VCC
BUS
BUS

Image of
jumper link

N.C
Volt-free
J3   J2
3
2
1

GND
LOCK2
LOCK1
VCC
BUS
BUS

N.O
12vDC300mA
MAX
J3   J2
3
2
1

GND
LOCK2
LOCK1
VCC
BUS
BUS
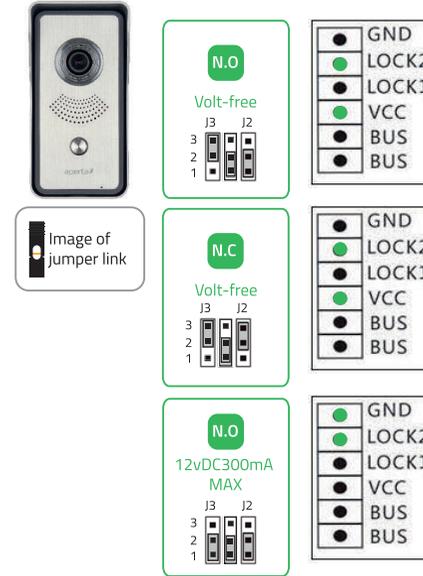
● Please refer to the operation guide for release instructions

User Guide

Call Button

Preview

Press once to view door station image

Lock

Press once to release lock

Gate

Press once to release lock 2

Talk

Press once to talk to visitor

Chime Volume: Slide switch for High, Medium and Low setting

Chime Selection: Press button to select chime melody

Monitor Brightness: Adjustment for brightness levels

Monitor Chroma: Adjustment for the intensity of colour

Talking Volume: Adjust the volume level of the monitor

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

E

Then choose between the 3 options below

1

Press the 'Talk' button to end call

2

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

3

Press the 'Gate' button to release lock 2 and press 'Talk' to end call

Installer's Guide

Master / Slave Setting

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.

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   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 a lock release issue, 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.

$C\,\epsilon$

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