

# Wiring guide for door entry systems

Connecting the XD100, XDR104, XA200S and Mag Lock systems.

## For a Normally Closed Connection

### Prerequisites:

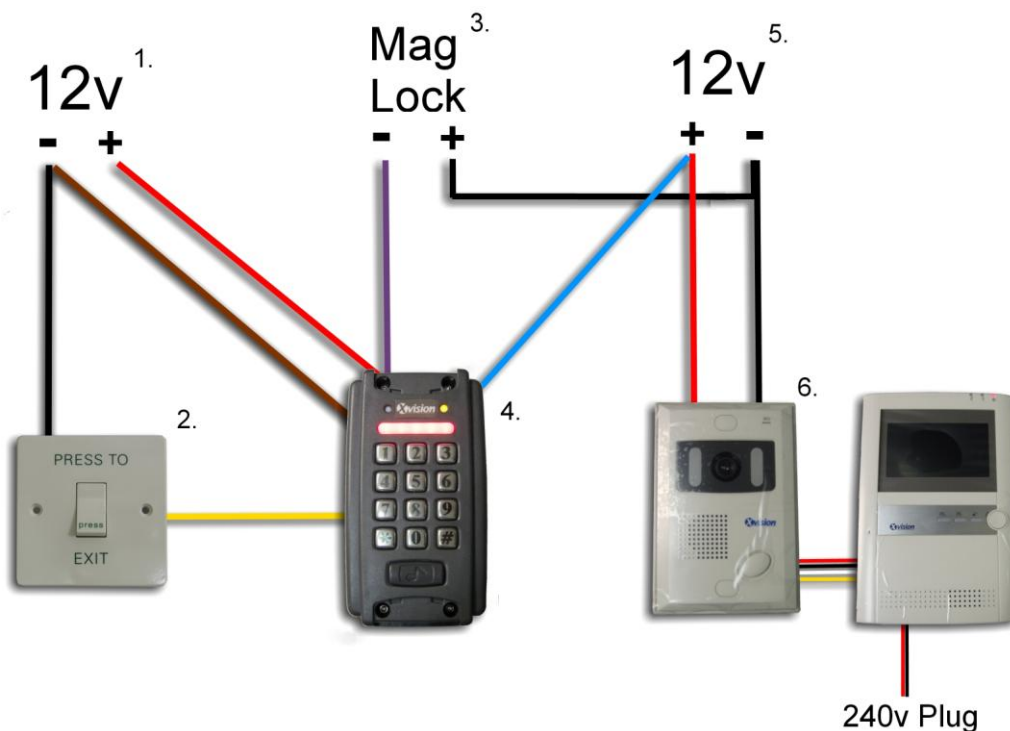
For this system you will need the following:

1. 2 x 12v 3A power supplies
2. XDR104 Push to Exit button
3. An electromagnetic lock (Mag lock)
4. XD100 RF/PIN Access Control System
5. XA200S Video Door Entry System

In addition, you will also need cabling such as Cat-5e. You can also use a DC Screw Socket (DCS-B) to connect the power cabling or, alternatively, you can just solder the connections.

*\*Please check for missing items from each piece of hardware (i.e. the XD100 should come with 1 x 6pin and 1 x 8pin cable). Please refer to the manuals for a comprehensive list of what should be included.*

**Step 1: See the diagram below:**



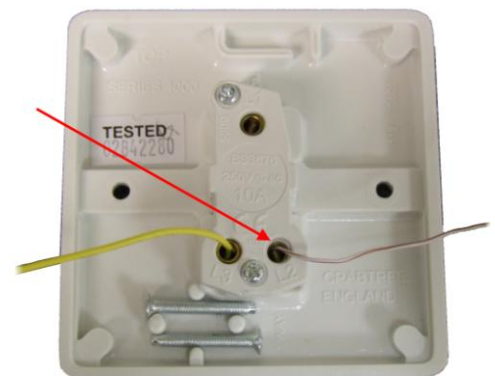
**Step 2: Connect the XD100 (4) using the 6 pin cable**

On the XD100 connect the following cables:

- Yellow to the L3 socket on the XDR104 (2)
- Brown to the negative of the 1<sup>st</sup> power supply (1)
- Red to the positive of the 1<sup>st</sup> power supply (1)
- Purple to the negative of your electromagnetic/Mag lock (3)
- **Blue** to the positive of the 2<sup>nd</sup> power supply (5)

**Step 3: Connect the XDR104 (2)**

Connect the L2 socket on the XDR104 to the negative of your 1<sup>st</sup> power supply (1) using a piece of Cat-5e or any other suitable cable.



**Step 4: Connect the Electromagnetic/Mag lock (3)**

Connect the positive from the Mag lock to the negative of the 2<sup>nd</sup> power supply (5) *refer to diagram on page 1*

**Step 5: Connect the XA200S (6)**

Connect the XA200S as instructed to in its manual.

The positive and negative cables (pictured opposite) should be connected as follows:

- Positive is connected to the positive on the 2<sup>nd</sup> power supply (5).
- Negative connects to the negative on the 2<sup>nd</sup> power supply (5).

