

## Function, Specifications & Installation

The DS2 Security Relay is designed for any DS2 intercom model with firmware versions 1.15 and higher. It significantly enhances security of the connected electric lock as it prevents lock opening by forced intercom tampering.

### Function:

The DS2 Security Relay is a device installed between an intercom (outside the secured area) and the electric lock (inside the secured area).

The DS2 Security Relay includes a relay that can only be activated if the valid opening code is received from the intercom.

### Specifications:

- Passive switch: NO and NC contacts, up to 30V/1A AC/DC
- Active switch output: 12V/700mA DC
- Dimensions: 56x31x24mm
- Weight: 20g

### Installation:

Install the DS2 Security Relay onto a two-wire cable between the intercom and the electric lock inside the area to be secured (typically behind the door). The device is powered and controlled via this two-wire cable and so can be added to an existing installation. Thanks to its compact dimensions, the device can be installed into a standard mounting box.

## Connection & Configuration

### Connection:

#### Connect the DS2 Security Relay to the intercom as follows:

- To the intercom active output (OUT1 or OUT2 if available).

#### Connect the electric lock to the DS2 Security Relay output as follows:

- To the active 12V/700mA DC output, or
- To the relay output with a serial external power supply.



The device also supports a Departure button connected between the 'PB' and 'DS2 Intercom' terminals. Press the Departure button to activate the output for 5 seconds.

### Status signalling:

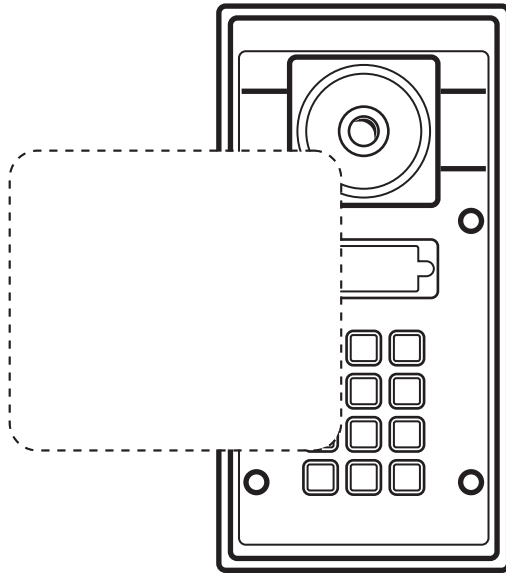
Green LED	Red LED	Status
blinking	off	Operational mode
on	off	Activated output
blinking	blinking	Programming mode - waiting for initialisation
off	blinking	Error wrong code received

### Configuration:

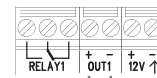
- Connect the IP Security Relay to the properly set intercom switch output; refer to the DS2 Intercom Configuration Manual. Make sure that one LED at least on the DS2 Security Relay is on or blinking.
- Press and hold the DS2 Security Relay Reset button for 5 seconds to put the device in the programming mode (both the red and green LEDs are blinking).
- Activate the intercom switch using the keypad, telephone, etc. The first code sent from the intercom will be stored in the memory and considered valid. After code initialisation, the DS2 Security Relay will pass into the operational mode (the green LED is blinking).

Control4

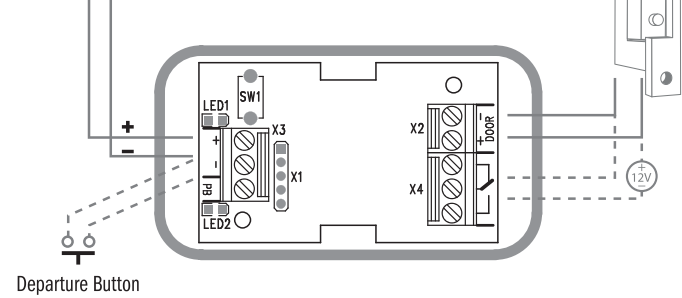
# Control4 DS2 Security Relay



DS2 Intercoms Mainboard



Door Lock



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