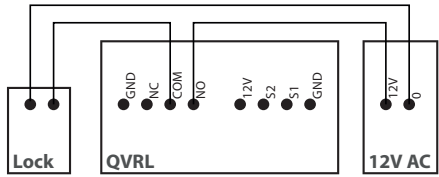
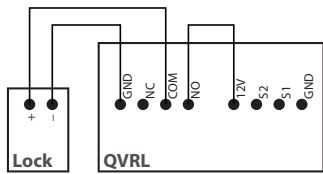


## Lock connection examples

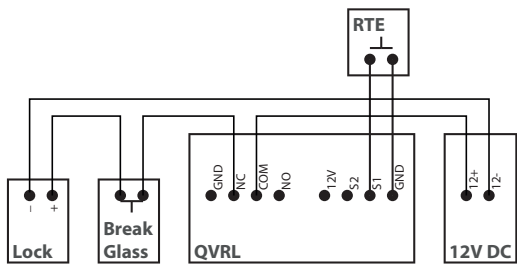
The wiring diagrams below illustrate various ways to connect the QVRL to different types of electric locks and release mechanisms. For connections to a third-party device, please consult the specific manual for that device to address any unique requirements or variations in the setup process.



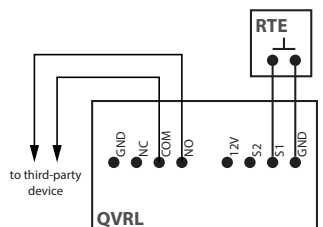
12V AC electric door release/lock - fail locked



12V DC (low power <350mA) door release - fail locked



12V DC Maglock/100% Release - fail unlocked



Third-party self-powered release, lock or gate/door operator

# QVRL Lock Relay Installer Instructions

**The Entryphone Co. Ltd**

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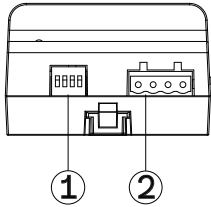
**entryphone**®

## Description

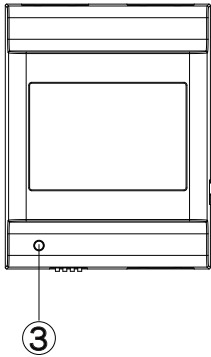
The QVRL is a control relay for operating electric door releases and locks from the Entryphone Q series two-wire bus door entry system.

### 1 - Settings DIP switch

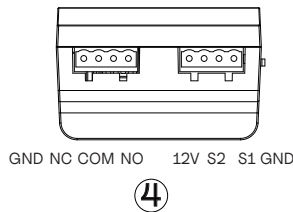
### 2 - Bus in, Bus out



### 3 - Power LED



### 4 - Lock connections



## Installation position

For each lock/opening device on a system, a QVRL relay needs to be fitted, connected and configured to allow correct operation.

Please refer to the Entryphone "Schematics, connection diagrams and installation notes" pertinent to the system you are installing.

## DIP switch settings

The QVRL has a four-way DIP switch for configuration.

**Switches 1 and 2** must match the door unit number;



**Switch 3** determines whether the relay responds to the lock 1 or lock 2 button on the apartment monitor.

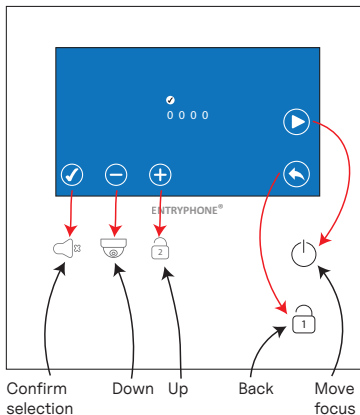


**Switch 4** is not in use on this product build and should be left in the off position.

## Lock release times

The default lock release time is set to 1 second, but it can be adjusted to operate between 0.5 and 10 seconds. To change this setting, access the options menu on any apartment monitor connected to the system. With the monitor turned off, follow the sequence below to access this feature:

- Press and hold for 3 Seconds
- Press once
- Press once
- Press 5 times



## Lock release times (continued....)

To set the release times, use the touch buttons as indicated on the screen and enter the corresponding codes below. The time is set in half-second increments, indicated by the last two digits of the settings code.

For example, to set Lock 1 on Door 1 to be open for 3 seconds, use the code 1106. Press the button to confirm your choice; a tick symbol will briefly appear to indicate that the setting has been accepted.

## Release time codes

	Lock 1	Lock 2	RTE
Door Unit 1	1101-1120	1201-1220	1301-1320
Door Unit 2	2101-2120	2201-2220	2301-2320
Door Unit 3	3101-3120	3201-3220	3301-3320
Door Unit 4	4101-4120	4201-4220	4301-4320

## Request-to-exit switch

For systems requiring a request-to-exit switch, connect a push button between terminals GND and S1 to enable the lock relay operation. The lock operation time is set in the same manner as described for Locks 1 and 2. Refer to the table above for the specific settings.

## Electric release/lock connections

- GND** Common ground for use with S1 and 12V
- S1** Request to exit (RTE) terminal
- S2** Not in use
- 12V** DC+ which can be used to power the lock directly, maximum rating 350mA

*Built in 6 Amp relay voltage free;*

- NC** Normally closed contact
- COM** Common
- NO** Normally open contact
- GND** Common ground for use with S1 and 12V