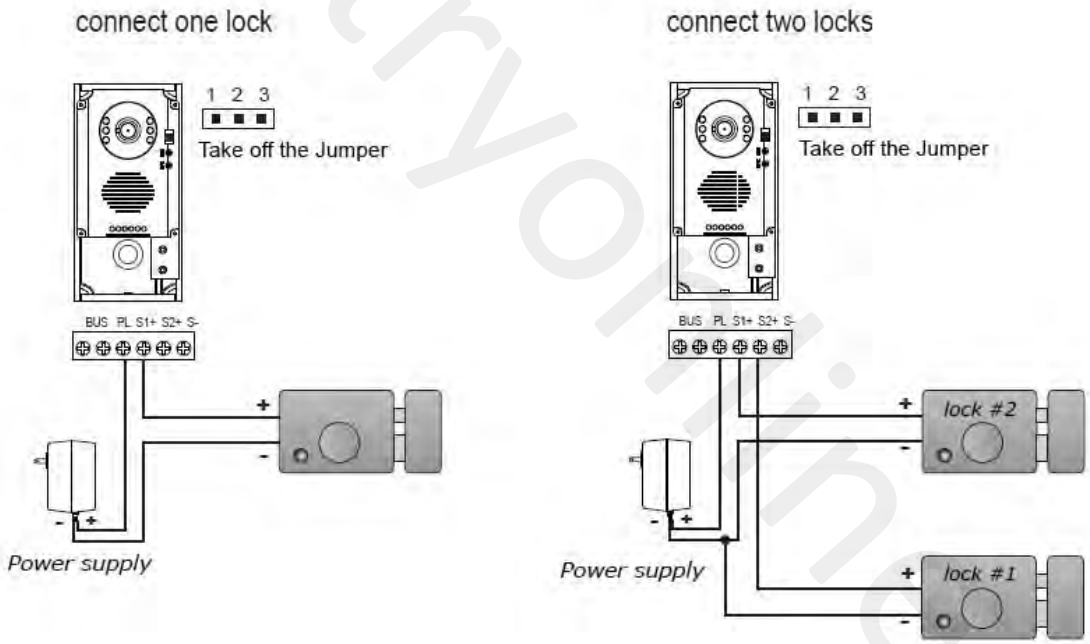
Connecting to a standard 12v dc 360ma+ lock release with additional 12v dc power supply

The two example drawings below are for 12v or 24v dc fail secure (Power to un-lock) or fail open (Power to lock) lock releases rated at more than 360ma that requires a separate power supply

For fail open (Power to lock) lock releases, please ensure you set the main video monitor for Unlock Mode setting 1

This works for all door panels: 591, 592, 596kp and 596id

Drawing two is an alternative method of achieving the same results using a 24v dc to 12v dc voltage reducer for 12v dc lock releases with a timed exit button facility. For 24v dc lock releases requiring a timed exit button facility then the voltage reducer would not be required



Connecting to a 12v dc lock release with voltage reducer

N/O contact from gate/lock timer relay

This example shows the connection of a 12v dc Fail Secure (Power to un-lock) that is rated in excess of 350ma. For Fail Safe (Power to lock) please use the N/C contact on the timer relay

Common or L1

Optional

Normally Open or L2

24v to 12v Voltage reducer

240v AC

S- from door panel to VT

S1+ from door panel to VT

Please Note: You will require the larger PS5 power supply as illustrated

N/O contact from gate/lock timer relay

To lock release

To lock release