

QUICK START GUIDE

1] PRODUCT PRESENTATION

The ICM-2 has 2 functions of interlock control:

Standard 2-door 'air-lock' function:

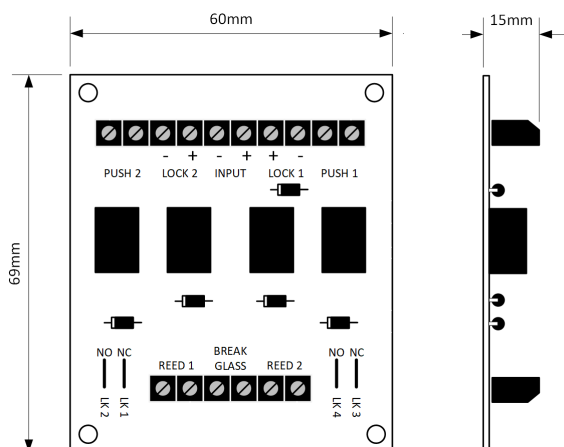
When either door is opened, the locked door cannot be accessed until the opened door is closed.

Auto-lock function:

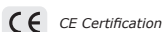
Where 2 doors are required to be unlocked and only locked when either of the doors is opened.

It can be used with normally open (NO) or normally closed (NC) door contacts by cutting the appropriate links (Reed 1, Reed 2) as described in section 2 Electrical Connections.

The ICM-2 is for use with **fail safe** locking devices only.



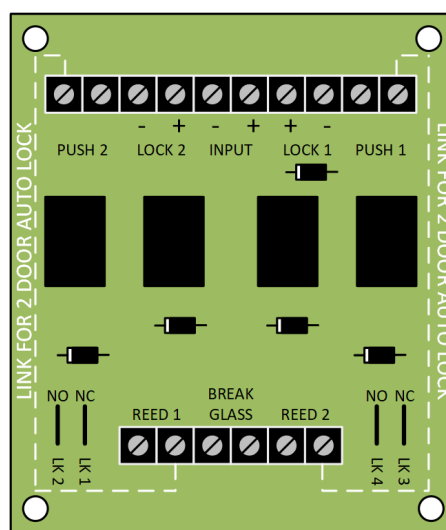
Specification	Description
Dimensions	60 x 69 x 3 mm (clearance)
Mounting holes	3mm (clearance)
Power input	12Vdc
Contact rating	3A @24Vdc/120Vac



2] ELECTRICAL CONNECTIONS

Reed 1, Reed 2: Normally open (NO) and normally closed (NC) refers to the reed switch when the maglock (usually fixed to the door) is NOT presented.

Example (NO): The reed switch is closed when the door is closed and is open when the door is open. This is the recommended wiring when using standard door reed switches. Cut the links as described below.

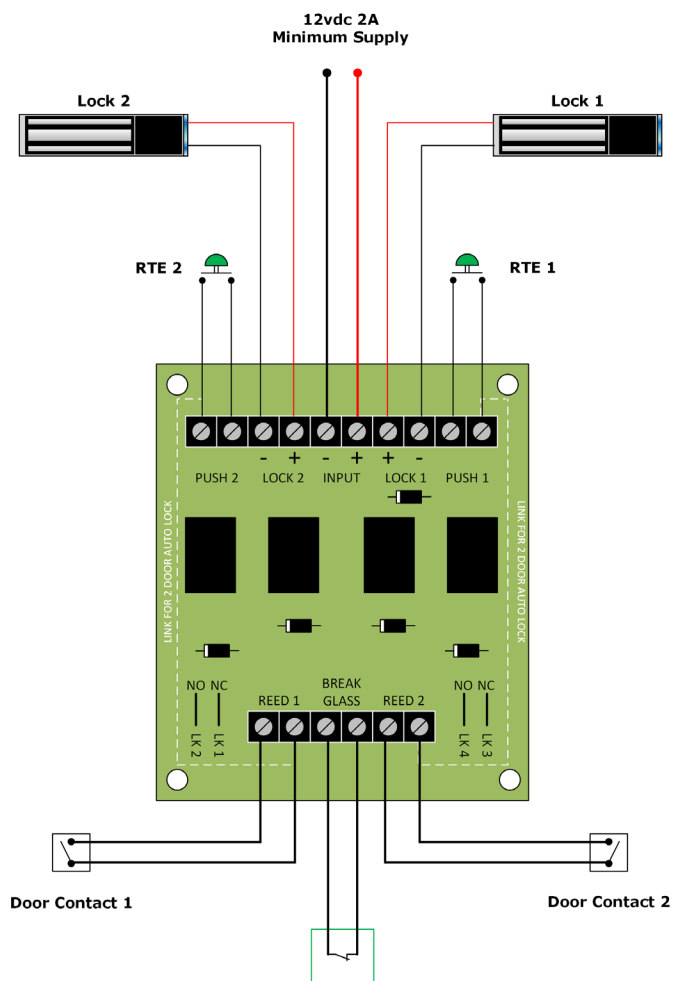


Terminal	Description
Input	12Vdc power supply
Lock 1	Lock supply output - Not timed*
Lock 2	Lock supply output - Not timed*
Push 1	RTE/Trigger input – Releases Lock 1 output
Push 2	RTE/Trigger input – Releases Lock 2 output
Break Glass	Global break glass input – Releases both doors
Reed 1	Door contact input – Prevents Lock 2 release
Reed 2	Door contact input – Prevents Lock 1 release
LK1	Cut for Normally Closed contact Reed 1*
LK2	Cut for Normally Open contact Reed 1
LK3	Cut for Normally Closed contact Reed 2*
LK4	Cut for Normally Open contact Reed 2

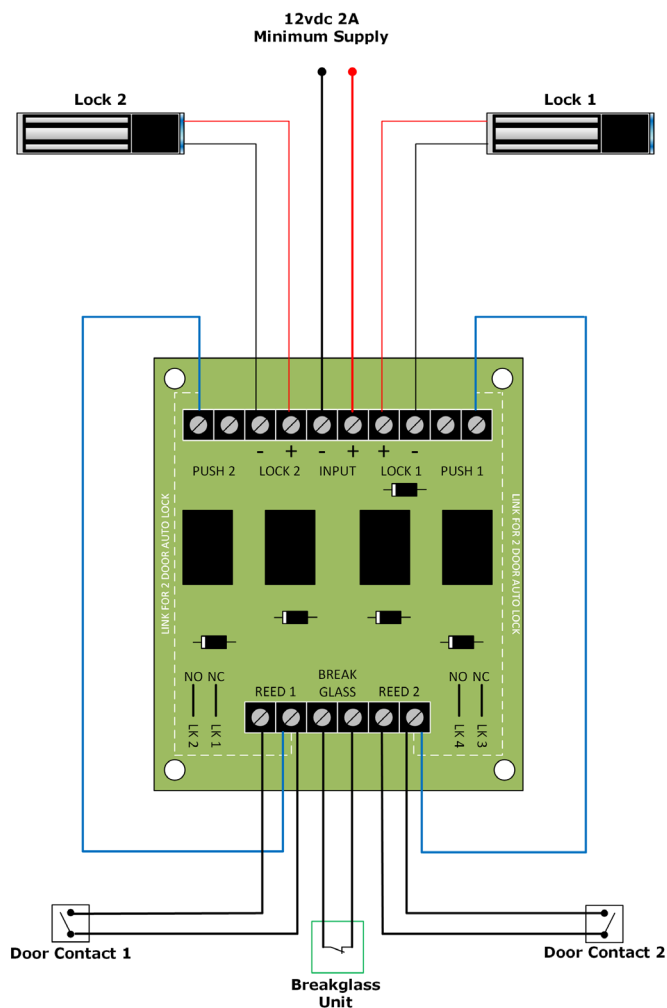
* When door is closed the reed input is closed, when the door is open the reed input is open.

3] WIRING

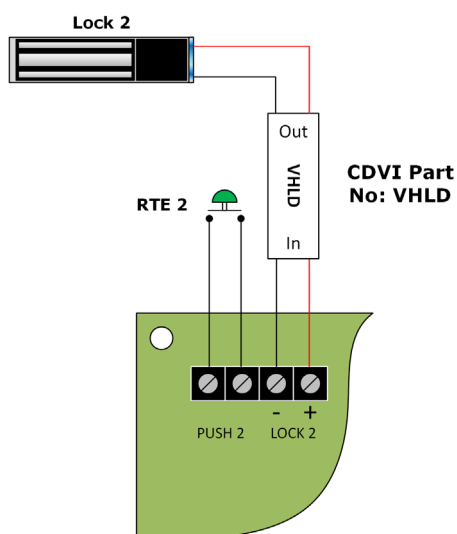
Standard 2-Door Interlock Connections



Auto-Lock Interlock Connections



Lock Timer Using the VHLD Delay on Timer



4] KIT OPTION

The **ICM-2-KIT** includes:

Qty, Code	Description
1 x ICM-2	2-door interlock control module
1 x PSMB123	12Vdc power supply with battery charger
4 x RTE-SSD	Stainless steel exit button
1 x EM201	Double-pole resettable emergency door release (EDR)
2 x C3S11	300kg surface electro-magnetic lock
2 x 300-ZL	Z&L bracket for 300kg maglock
2 x VHLD	Delay module lock release