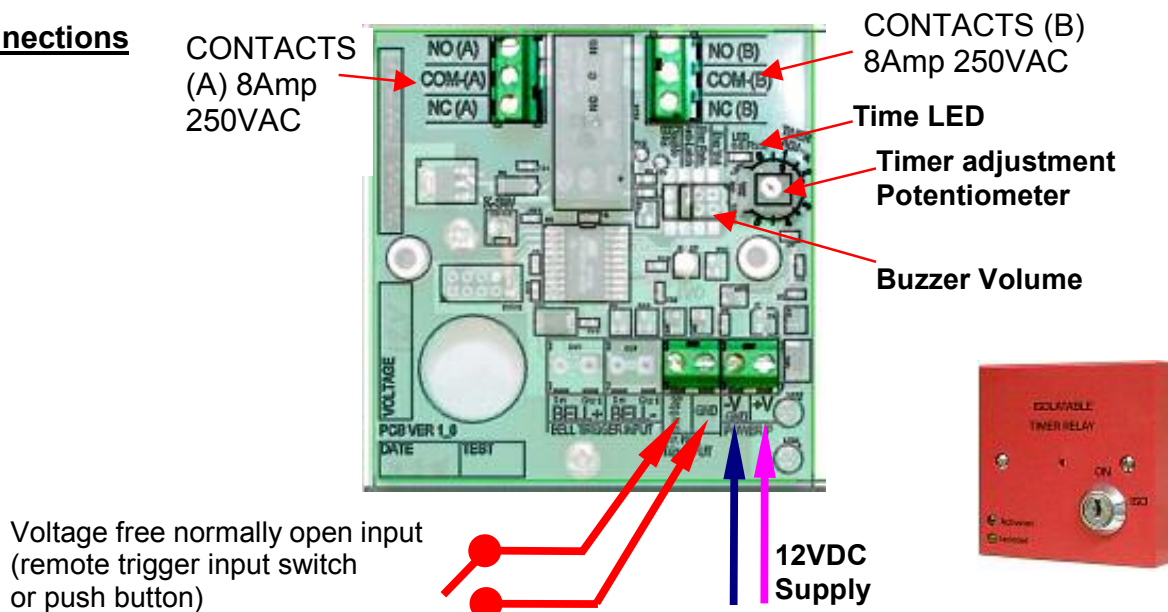


| | | |
|----------------|---|----|
| Part Number(s) | 500-620 (RED/12VDC) | CE |
| Description | Access interface timer (12V) with Indicators | |
| Reference | Installation Guidelines – T2/ACT/Install/12-07-08 | |

Introduction

- ❖ This product is an interface between a switch and electric locks for access control systems.
- ❖ The lock status is indicated by means of two LEDs (RED 'OPEN' relay coil ON, and YELLOW 'Closed' relay coil OFF).
- ❖ The input requires a clean contact trigger input.
- ❖ The form factor is that of a standard UK single gang type. The unit is supplied with a suitable backbox.

Connections



VISUAL INDICATORS

When the OP Relay is on the RED LED is ON
 If OP relay is OFF the Yellow LED is ON
 Internal SMD led by POT to indicate timer setting

BUZZER

There is an internal buzzer that operates when the keyswitch is in the ISO position
 It can be muted by removing the BUZ VOL jumper link

TERMINAL CONNECTION

+V = positive power 9.5 to 16V
 -V = Zero Volts
 -V = Spare Zero volts
 Sw Neg = Short this to one of the -V terminals to trigger the unit

TIMER FUNCTION

The unit has a built in hold on timer which is controlled by a potentiometer

The setting is also visually indicated by an internal flashing LED near the Potentiometer

The settings are;

- no flash = 1 sec. hold on
- 1 flash = 30 sec. hold on
- 2 flashes = 1 min. hold on
- 3 flashes = 2 min. hold on
- 4 flashes = 5 min. hold on
- 5 flashes = 10 min. hold on

The timer can be prematurely cut short by by turning the keyswitch from ON - ISO - ON

This may be used to close the door quickly (rather than waiting for the timer to time out)

NORMAL OPERATION

If keyswitch is in the ON position (normal mode) the following is true.

Connect a normally open switch between terminals; 'Sw neg' & '-V'

When switch operated the OP relay will operate (RED LED on) and will latch on for the timing period even if the signal is removed.

It will hold on as follows:

- pot at pos 1 = 30 sec
- at 2 = 1min
- at 3 = 2min
- at 4 = 5 min
- at 5 = 10min

In summary

when the key is in the ON position the relay is controlled or triggered by the SW NEG i/p terminals.

KEYSWITCH OVERRIDE

If the key switch is manually turned to the ISO position then:

the OP relay will be activated regardless of the terminal trigger input

This allows an authorized person to open the door in an emergency or keep it open for extended periods

To warn against leaving the unit in this state there are the following features

- the buzzer will sound and the
- key cannot be removed in the ISO position

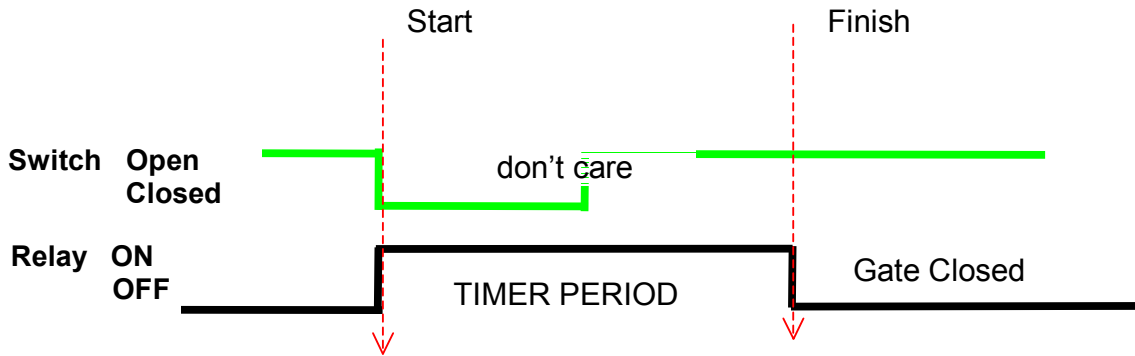
TIP

The Key can also be briefly turned to the ISO position to cut short the Hold-on timer and close the door quickly.

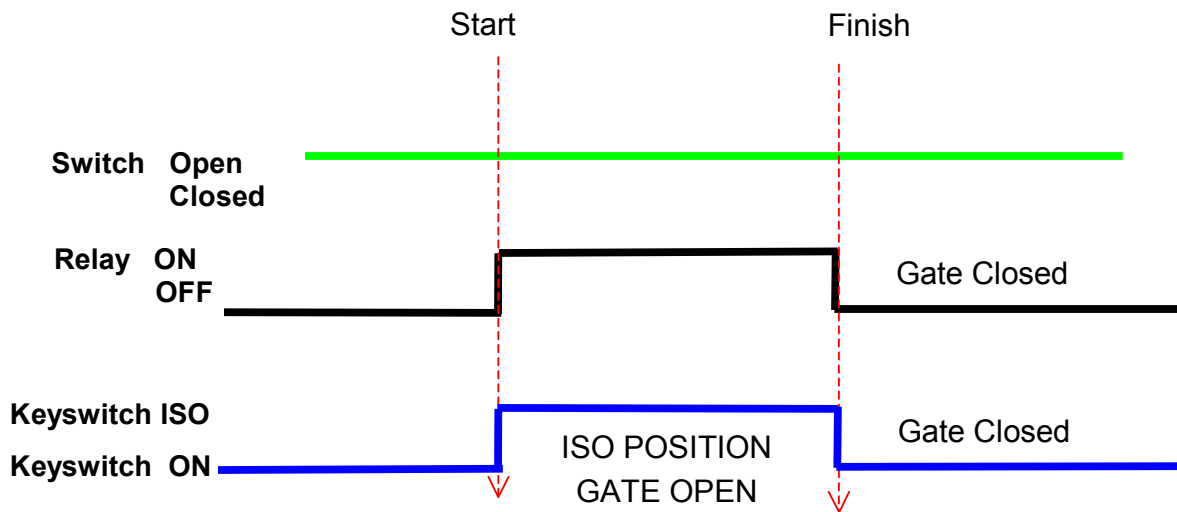
This may be used to close the door quickly (rather than waiting for the timer to time-out)

Signal Diagram

NORMAL OPERATION



KEYSWITCH ISO OVERRIDE OPERATION



Technical Data



| | | |
|------------------------|---------------------|--|
| Working Voltage : | 9 to 16VDC | |
| Current Consumption: | 10mA(off), 36mA(on) | |
| Switch Contact Rating: | DPCO 250VAC 8A | |
| Enclosure Material | FR ABS | Housing Size: Single gang: W.86 x L.86 x H.60 mm |