Quick Push lock board

The Quick Push code lock board is a simple code recognition device for restricting access to authorized people only in a low security environment. An unlock code is entered via multiple entries on a single push button, a relay will then operate for 10 seconds permitting access to an operating button or similar. At the same time the relay operates a bleeper sounds and an open collector transistor operates to switch an external lamp or other device operating from the 24V supply.

Power Input

The Quick Push is supplied with a DC voltage. 0V is connected to B- and +V to B+. The supply should be between 18vdc and 30vdc.

Push Button

The input button is connected across the two terminals marked button. Every time the button is pressed the board will respond with a short bleep. To enter a number the button is pressed in quick succession for that number of times. After a short pause the board will respond with a longer bleep to show it has accepted the number. After the third number has been entered then the board will do one of two things;
If the code has been entered correctly there will be one long bleep, the relay will operate, the open collector output will operate and the LED will come on. After ten seconds there will be another long bleep, the relay will turn off, the open collector output will turn off and the LED will go off.
If the code has been entered incorrectly there will be a short series of rapid bleeps.

Relay Output

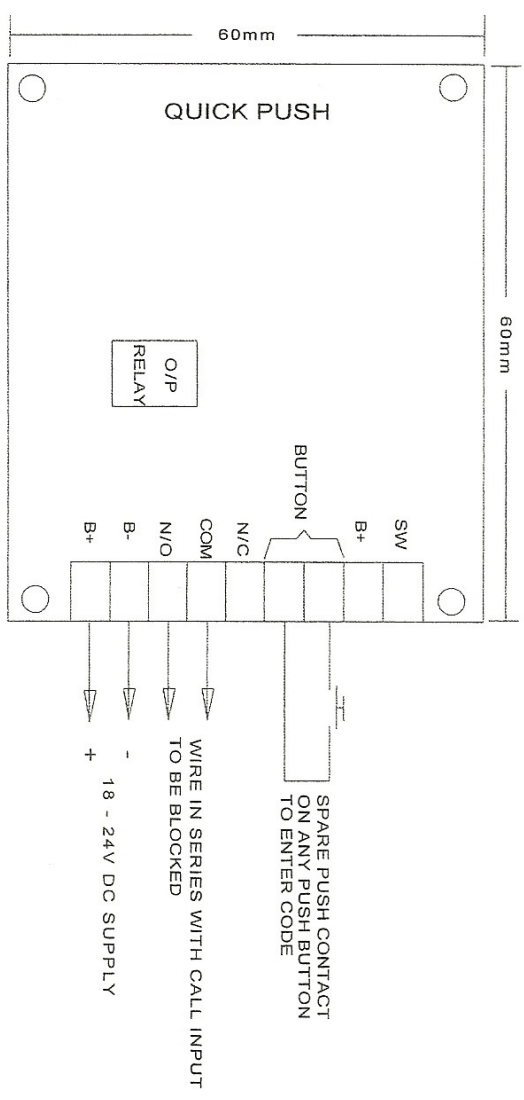The relay output is shown on the edge connector as: -
N/O   Normally open contact
C   Main contact
N/C   Normally closed contact

Open Collector Output

This is an open collector transistor output capable of sinking up to four amps the +V supply is available on the terminal marked B+ and the open collector is on the SW terminal. Typically this would be used to switch a 24volt lamp by connecting it across these two terminals.

Technical Specifications

1.	Supply voltage	+18V to +30V dc
2.	Overall size	38mm X 129mm X 102mm
3.	Open collector output	4 Amps Maximum
4.	Power consumption idle	10mA maximum at 24volts
5.	Power consumption during key entry	40mA maximum at 24volts
6.	Power consumption during unlock active	55mA maximum at 24volts
7.	Default code	2,1,3

60mm

60mm

QUICK PUSH

O/P
RELAY

BUTTON

B+
B-
N/O
COM
N/C
B+
SW

+
-
18 - 24V DC SUPPLY

WIRE IN SERIES WITH CALL INPUT
TO BE BLOCKED

SPARE PUSH CONTACT
ON ANY PUSH BUTTON
TO ENTER CODE

TITLE-:

Quick Push

Company:	
Order No.:	
Floor Designation:	

check	
editor	
date	