KT Assemblies Ltd

Flip Flop / Timer Module

The FF/Timer Module is a compact control PCB which can be used in a number of applications where a single push on / push off button is required. The module is also a timer, when the loop is opened the relay operates and will stay energised, when the loop is closed the timer will count down to zero and close the relay again, if the door is re-opened before the timer has expired then the timer will start over, the delay is set using J 1, 2 & 3.

DIMENSIONS

PCB Only 65mm x 48mm.
Note Sizes are approximate only

CONSTRUCTION

PCB Type Single sided PCB.
Connections Screw terminals
Mounting Method Fixing Tape or 4 x corner pillar mountings.
(Pillars not supplied)

TECHNICAL SPECIFICATION

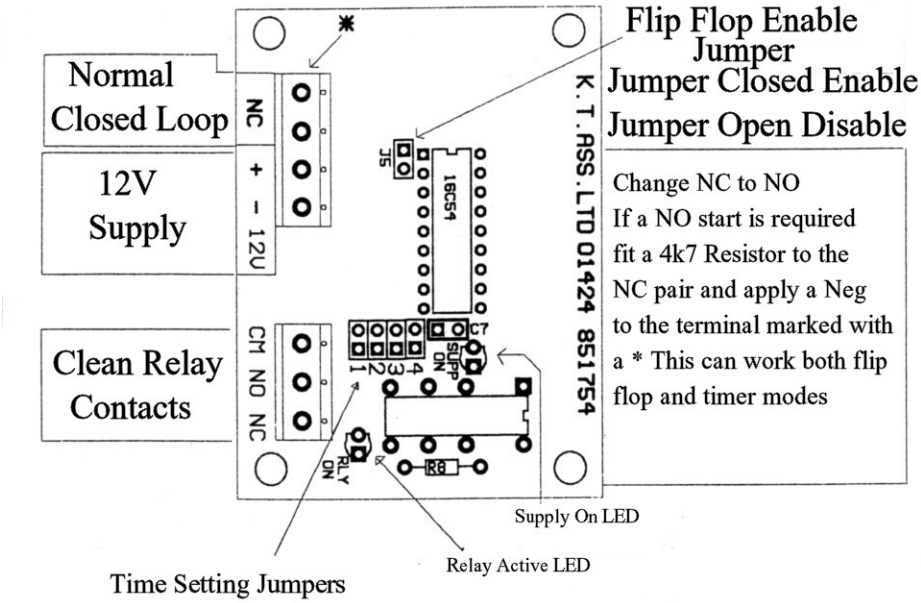
Input Voltage	12V DC
Maximum Operating Current	40mA Typical
Minimum Current	13mA Typical
Relay Control on Board	YES 1A Max

ADVANCED FEATURES

N/C Loop Input going open in alarm.
One sets of clean relay contacts.
LED Indication for alarm condition.
LED Indication for supply healthy.

PCB Layout And Termination Information

Flip Flop / Timer Module

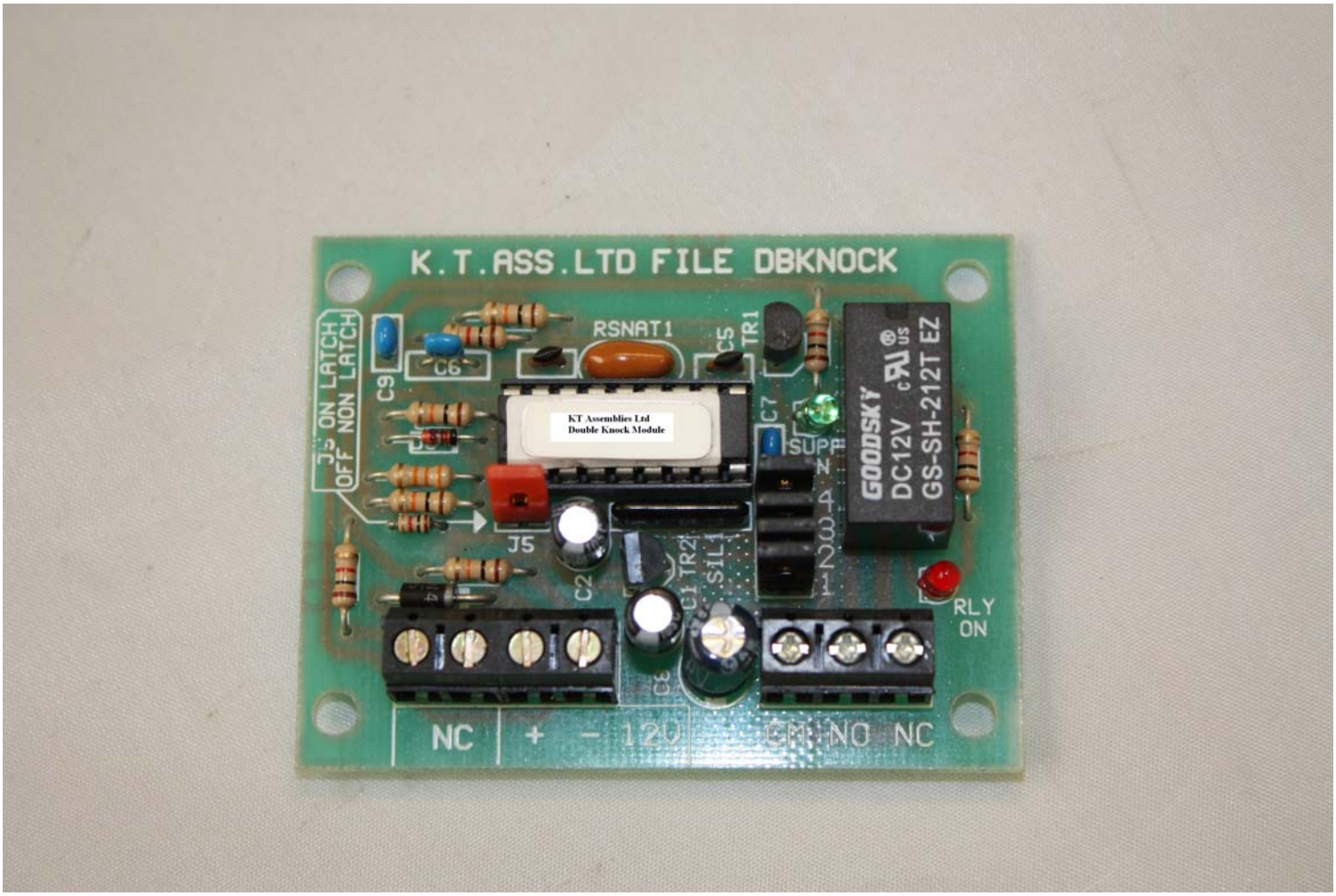


SECS	1	2	3
5	OFF	OFF	OFF
10	ON	OFF	OFF
15	OFF	ON	OFF
20	ON	ON	OFF
25	OFF	OFF	ON
30	ON	OFF	ON
35	OFF	ON	ON
40	ON	ON	ON

JUMPER 4 IS A TIME DOUBLER
OFF, NORMAL
ON, ALL TIMES ARE IN 10 SECS STEPS

Flip /Flop Timer Module
Flip Flop Mode Press and release NC loop and the relay activates, repeat to de-activate.
Timer Mode Open the NC loop and the relay activates the relay will stay active untill the loop is closed and the timer has expired, if the loop is opened before the timer has finished the timer will restart

Picture Of Flip /Flop Timer Module



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