

MAR2k2

# Z-DELAY (PLUS)

## A SIMPLE MULTI-FUNCTION TIMER

# N.S.O

### FEATURES INCLUDE:

- TWO STAGE TIMING.
- INDEPENDENTLY ADJUSTABLE.
- 1 SECOND TO 15 MINUTES.
- NORMALLY CLOSED INPUTS TO NEG.
- CHANGE-OVER RELAY OUTPUT.
- TWO SWITCHED OUTPUTS.
- LED INDICATORS.
- ADJUSTABLE EXIT DELAY FOR RESET.
- VERY LOW STANDBY CURRENT DRAW.
- EASY SETUP & OPERATION.
- RETRIGGERABLE/RESETABLE.
- LINK OPTIONS
- D.O.T.L. compatible
- BGW PROVEN RELIABILITY.

## SPECIFICATIONS

### POWER SOURCE

10.5 to 16.5 VOLTS DC.  
STANDBY \_\_\_\_\_mA

### TIMERS [ Adjustable ]

TIMER-1 \_\_\_\_\_ 1 SEC TO 15 MINS  
TIMER-2 \_\_\_\_\_ 1 SEC TO 15 MINS  
EXIT \_\_\_\_\_ 0 SEC to 30 SECS

### OUTPUTS

TIMER-1 \_\_\_Swt to NEG @ 300mA  
TIMER-2 \_\_\_Swt to NEG @ 300mA  
RELAY \_\_\_selectable for either  
Timer's ONE and/or TWO

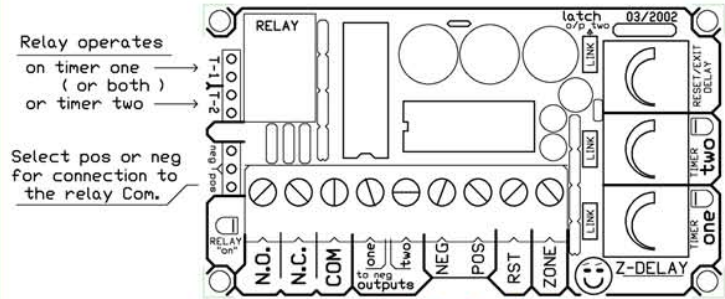
### INPUTS

RESET \_\_\_Swt to NEG \_\_\_Close to reset  
ZONE \_\_\_N.C. TO NEG \_\_\_Open to trigger

### DIMENSIONS ( approx )

75(W) x 42(D) x 25(H)mm

## Z-DELAY IS A DUAL TIMER



WHEN TRIGGERED VIA THE ZONE INPUT, Z-DELAYs TIMER One STARTS. AFTER A PRESET PERIOD THIS TIMER EXPIRES THEN AUTOMATICALLY TRIGGERS TIMER Two.

AT ANY STAGE CONNECTING NEG TO THE RES INPUT RESETS BOTH TIMER ONE & TWO INSTANTLY. THIS PUTS Z-DELAY IN A IDLE STATE. REMOVING NEG FROM THE RES, TRIGGERS Z-DELAYs EXIT TIMER, UP TO 30 SECONDS DURING THIS EXIT DELAY ALL ZONE INPUTS ARE IGNORED.

## TO OPERATE

TO ARM Z-DELAY, REMOVE NEG FROM RES, AFTER EXIT TIME Z-DELAY IS ARMED

TO ACTIVATE Z-DELAY REMOVE NEG FROM ZONE (TIMER One STARTS)

TIMER Two STARTS AFTER TIMER One EXPIRES

## CHANGING Z-DELAYs FUNCTIONS

Z-DELAYs FUNCTIONS CAN BE CHANGED BY SIMPLY MOVING LINKS--EG:

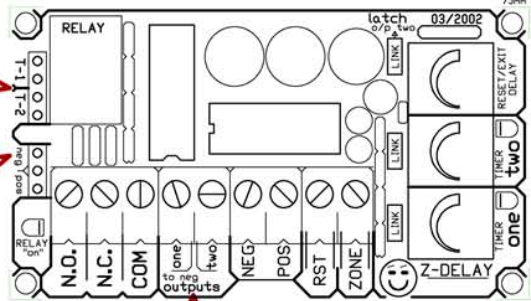
THE RELAY CAN BE LINKED TO EITHER TIMER One or Two  
\*\* OR BOTH TIMERS \*\*

THE RELAYs COM CAN BE LINKED DIRECTLY TO THE POS or NEG INPUTS. A AUTO-RESET TYPE FUSE IS CONNECTED IN SERIES WITH THE COM OF THE RELAY 300mA.

Z-DELAY CAN BE SETUP AS A SINGLE SECTOR ALARM CONTROL. A PIEZO ON TIMER Two, A BUZZER ON TIMER One, A KEY-SWITCH ON THE RESET & A PIR TO THE ZONE

D.O.T.L Door open to long alarm. Connect Zone & Ret together then to one leg of a door switch. The other leg to Neg. See the website for more apps.

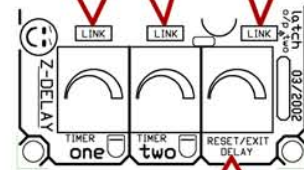
BGW also supply the B-Timer This device offers both pos and neg trigger inputs. Adjustable from 1sec to 15 mins.



THERE ARE TWO "SWITCH TO NEG" OUTPUTS EACH CONNECTED TO TIMERS One & Two. WHEN TIMER One IS ACTIVE, OUTPUT One IS LOW. WHEN TIMER Two IS ACTIVE, OUTPUT Two IS LOW. BOTH OF THESE OUTPUTS ARE PROTECTED.

"Z-DELAY PLUS" IS ADJUSTABLE FROM 1 sec TO 15 mins. REMOVE LINKS FOR 0.1 TO 90 secs ADJUSTMENT RANGE.

REMOVE LINK TO DISCONNECT TIMER Two. THIS WILL CAUSE TIMER Two TO LATCH "ON" WHEN TIMER One EXPIRES. THIS CAN ONLY BE UN-LATCHED BY RESETTING.



WHEN A RESET IS TRIGGERED BOTH TIMERS INSTANTLY CEASE TO OPERATE. WHEN RESET IS RESTORED ZD-PLUS WILL GO INTO A EXIT TYPE DELAY UP TO 30 secs & IGNORE ANY TRIGGERS.

THIS VERSION Z-DELAY WAS DESIGNED TO COMBINE OLDER VERSIONS AND THE AB-DELAY TIMER. WE HAVE SEEN OVER THE YEARS MANY HUNDREDS OF COMBINATIONS FOR ITS USE. PLEASE FEEL FREE TO CONTACT BGW DIRECT FOR PROBLEM SOLVING SOLUTIONS & APPLICATION IDEAS.

**N.S.O**

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## CONNECTION OF POWER SUPPLY

WHERE POSSIBLE THE FOLLOWING SHOULD BE OBSERVED POS & NEG SHOULD BE WIRED DIRECTLY & INDEPENDENTLY TO YOUR PSU (or BATT)