



## TIMER FUNCTION

The unit has a built in 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* = zero timer, When key is in ISO position the zone is ISOLATED

*1 flash* = When key is in ISO position, zone ISOLATED for 2 hours.

*2 flashes* = When key is in ISO position, zone ISOLATED for 4 hours.

*3 flashes* = When key is in ISO position, zone ISOLATED for 6 hours.

*4 flashes* = When key is in ISO position, zone ISOLATED for 8 hours.

*5 flashes* = When key is in ISO position, zone ISOLATED for 10 hours.

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

## NORMAL OPERATION

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

The detection circuit is connected

Relay is off (COM and NC are connected), front RED and YELLOW LED's are off

When keyswitch is turned to the ISO position (isolate mode) the following is true;

relay will operate (RED LED on) and the circuit will be isolated

If the timer is set to zero (pot fully counter clockwise) the circuit will be isolated for as long as the keyswitch is in the ISO position, the front YELLOW LED will be on constantly and there will also be a buzzer.

If the pot is turned to 1/2/3/4/5 then the Isolator will time out after the selected time period;

pot at pos 1 = 2 hours

at 2 = 4 hours

at 3 = 6 hours

at 4 = 8 hours

at 5 = 10 hours

The key switch is left in the ISO position, during the timer period the front YELLOW LED will flash. At the end of the timer period the RED and YELLOW LEDs will go out and the relay will swap back to its normal position. Thus allowing automatic reactivating of the detection circuit

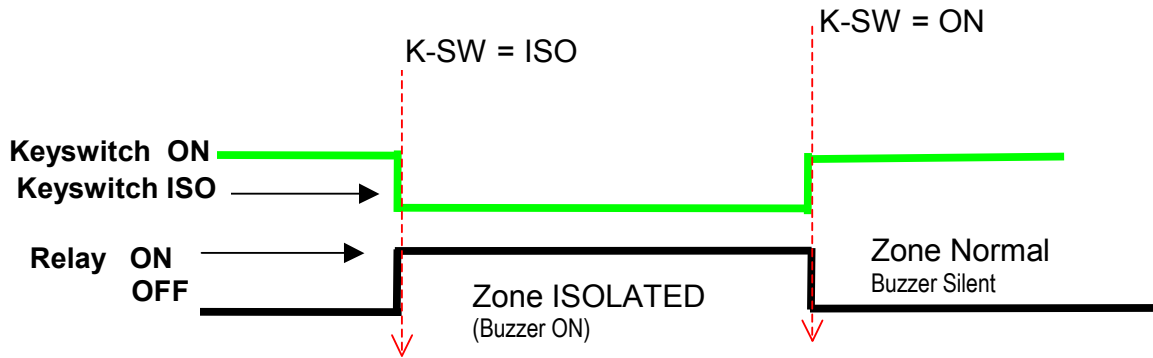
The key cannot be removed in the ISO position

## TIP

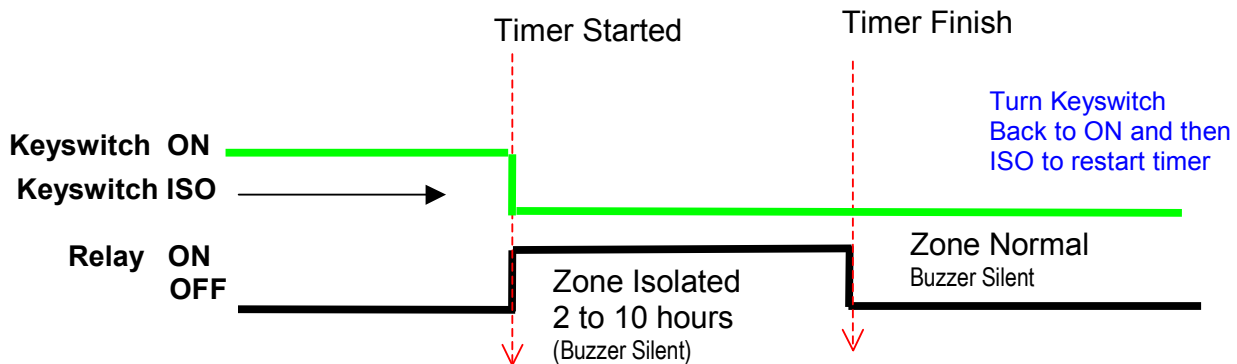
*The Key can be turned back to the ON position and then back to ISO to restart the timer from its full time again.*

## Signal Diagram

### OPERATION with timer set to ZERO, Keyswitch only control



### OPERATION with the timer, Keyswitch starts timer



## Technical Data



|                        |                     |  |
|------------------------|---------------------|--|
| Working Voltage :      | 18 to 32VDC         |  |
| 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 |