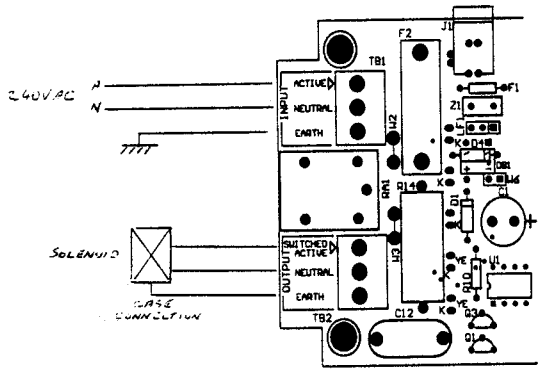
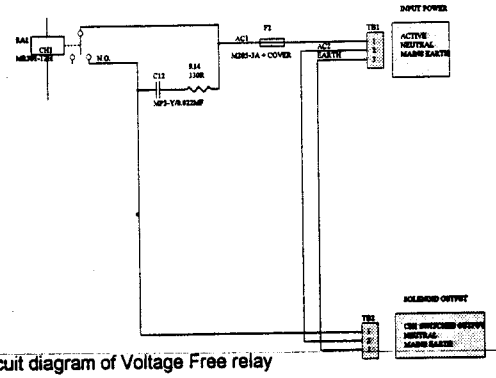
Connection of New Solitaire Timer

1. Undo four (4) screws securing back of Solitaire Timer case.
2. Remove back of Solitaire Timer case. Take care not to drop screws or any other metal objects onto printed circuit board inside Timer.
3. Refer to diagram below showing rear view of Solitaire timer with back removed. Two screw terminal blocks should be visible at left side of printed circuit board assembly labelled INPUT and OUTPUT.
4. Wire incoming supply to INPUT terminal block. This can be 240V AC, or low voltage AC or DC, as this terminal only feeds the voltage free relay circuit.
5. Wire the Solenoid to the terminal block marked OUTPUT, including the earth to the case of the Solenoid.
6. Replace back of Timer and connect Plug Pack into DC input in top of case. After programming, if Solenoid does not appear to work, check condition of fuse F2. Make sure all power is disconnected for this.



View of INPUT and OUPUT terminals inside Solitaire Timer



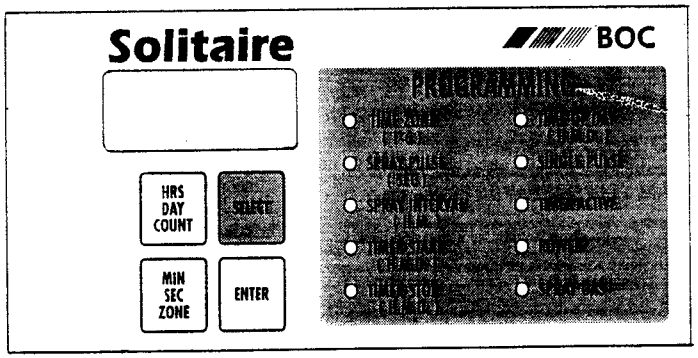
Internal circuit diagram of Voltage Free relay

Solitaire

SOLITAIRE™

Operating Instructions - Summary

BOC GASES



1. SETTING OF TIME AND DAY OF WEEK

Press ***SELECT*** until TIME OF DAY LED lights up.

Press ***HRS / DAY / COUNT*** to set correct hours and ***MIN / SEC / ZONE*** button to set correct minutes.

Note : 24 hour clock i.e. 2.00 pm = 1400 hours.

Press ***ENTER*** to store time. Note time of day LED lights up.

A number from 1 to 7 will appear.

Day 1 represents Monday, 2 represents Tuesday, etc.

Press ***HRS / DAY / COUNT*** until correct day number appears.

Press ***ENTER*** to store day of week number selected. The display now shows correct time.

2. SETTING TIME ZONE (1 THROUGH 6)

Press ***SELECT*** until TIME ZONE LED lights up. A number from 1 to 6 will appear in the display.

Press ***MIN / SEC / ZONE*** until desired zone period is displayed.

Press ***ENTER*** and the timer will automatically proceed to allow data entry of SPRAY PULSE, SPRAY INTERVAL etc.

Note : To view/modify data for a specific time zone, you must select the appropriate zone (as above).

3. SETTING SPRAY PULSE (SEC)

Press ***SELECT*** until SPRAY PULSE LED lights up. Display now shows period of spray pulse in seconds (i.e. ½ SEC displayed as 1:2), (1 SEC THROUGH 60 SEC) displayed as :01 THROUGH :60)

Press ***MIN / SEC / ZONE*** until desired value is displayed. Press *ENTER* to store selected value.

4. SETTING SPRAY INTERVAL (HOURS, MINS)

Press ***SELECT*** until SPRAY INTERVAL lights up.

Set SPRAY INTERVAL using ***HRS / DAY / COUNT*** and ***MIN / SEC / ZONE*** keys.

Press ***ENTER*** to store.

5. SETTING TIMER START (HOURS, MINS) and (DAY OF WEEK for zone to be active)

Press ***SELECT*** until TIMER START lights up.

Set TIMER START time using ***HRS / DAY / COUNT*** and ***MIN / SEC / ZONE*** keys.

Press ***ENTER*** to store values. The display will change to now show the day of the week on which you want this zone to be active..

Press ***MIN / SEC / ZONE*** to select either "1" (operating this day) or "0" (does not operate) to appear after the day number appears. Press ***HRS / DAY / COUNT*** to select the various day numbers and then ***MIN / SEC / ZONE*** to select either "1" or "0". Continue this procedure until all days have been programmed.

Press ***ENTER*** to store values.

6. SETTING TIMER STOP (HOURS, MINS)

Press ***SELECT*** until TIMER STOP lights up.

Set TIMER STOP time for end time of this zone, using ***HRS / DAY / COUNT*** and ***MIN / SEC / ZONE*** keys.

Press ***ENTER*** key to store values.

7. SINGLE PULSE MODE OF OPERATION

Press ***SELECT*** until SPRAY PULSE LED lights up. Press ***MIN / SEC / ZONE*** key until desired pulse width is displayed.

Press ***ENTER***, press ***SELECT*** until SINGLE PULSE LED is lit up.

Press ***ENTER*** to initiate single output pulse.

The ***ENTER*** key can be pressed as many times as desired.

8. TO PLACE IN TIMER ACTIVE MODE OF OPERATION

Press ***SELECT*** until TIMER ACTIVE LED lights up.

Press ***ENTER.***

DISPLAY shows hours, mins until next pulse. This display counts down to zero and then repeats for zones selected.

9. COUNTER

A counter has been incorporated into the Solitaire as a means of monitoring the function of the timer. For each activation of the solenoid/s, the count increases by one unit. To obtain the count value, the Solitaire must be in either SINGLE PULSE or TIMER ACTIVE mode. Press ***HRS / DAY / COUNT*** to check count value.

Note : If power is interrupted to the Solitaire unit, the count is not lost but is kept in battery-backed memory.

10. CLEAR COUNTER TO ZERO

Solitaire must be in either SINGLE PULSE or TIMER ACTIVE mode.

Press and hold ***HRS / DAY / COUNT*** key and then press ***ENTER*** key. Count resets to zero.

Release both keys.

11. SPECIFICATIONS

Power Consumption 1W

Controller Plug Pack requirements
9V DC min., 200mA, Centre positive.

Switched Output - 240V AC, 3A Inductive.

Output Fuse - 3 Amp.