

The Random switching will then occur only between these set times.

Pressing the key stores the programmed data and returns the time switch to its current switching status.

7 EDITING AND DELETING SWITCHING COMMANDS

Editing Switching Commands

Select the programmed switching time in question by pressing the 'Prog' key repeatedly, then alter the stored data- overwriting. Save again by pressing 'Prog' key once.

Deleting Switching Commands

Select the programmed switching time in question by pressing the 'Prog' key repeatedly, then set the hours and minutes to -- by pressing the 'h+' and 'm+' key repeatedly. Press the 'Prog' key and hold down for three (3) seconds to delete switching command.

The other stored switching commands are advanced automatically so that there are no empty lines.

TECHNICAL SPECIFICATIONS

Switch Contacts
Operating Voltage
a.c. Switching Capacity
Resistive Load
Inductive Load, $\cos \Phi = 0.6$
Motor Rating
d.c. Switching Capacity
24V d.c.
60V d.c.
220V d.c.
Switching Operation
Ambient Temp. Range
Accuracy
Back up NC Battery
Running Reserve
Charging Time
Memory Locations
Shortest Switching time
Holiday Program
Daylight Saving Key
Random Switching

Reset
Manual Switching

Power Consumption
Terminals Capacity
Material Type
Panel Cut Out

Note — Time loss can be experienced due to RFI. It is advisable to locate timers as far from contactors as possible and install voltage suppression devices.

4TCD

1 change over contact 1N/O 1N/C
240V a.c. [+10%/ -20%]

16A, 240V a.c.
2.5A, 240V a.c.
M40

800mA
300mA
150mA

Floating. Not connected internally.
-10°C to +55°C
Typ. 2.5 sec/day at +20°C

150h
140h
42
1 minute
Max. 99 days
 $\pm 1h$
Continuous or programmable start/stop time and day.

Clear all information.
Automatic/perm.ON / perm. OFF / on until prog OFF/ OFF until prog. on.

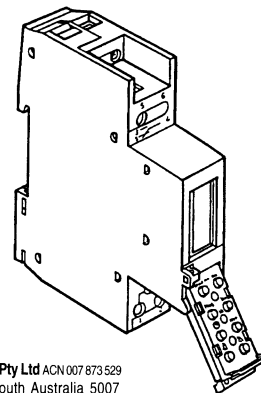
5 VA
1 x 4mm² cable or 2 x 2.5mm² cables.
Valox 865/GR 8233
46mm x 18.5mm

CLIPSAL

Digital 7 Day Programmable Timer

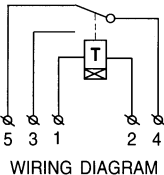
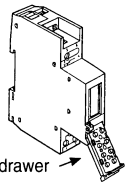
Operating Instructions

4TCD



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Gently pull out and lower control panel drawer



WIRING DIAGRAM

1 PRESS 'RES' KEY

'RES' (reset) key can be pushed at any stage to delete **all** stored information.

2 TO SET CURRENT TIME AND DAY

Press the key and hold down.

Press 'Day' key repeatedly for day required.

Note: Day 1 is Monday.....Day 7 is Sunday.

Press the key and hold down.

Press "h +" = (hours) key repeatedly for the required time.

Press the key and hold down.

Press "m +" = (minutes) key repeatedly for the required time.

(1 press = 1 advance. To advance time quickly keep key depressed.

For easy daylight saving adjustment press $\pm 1h$.

The symbol will also be displayed.)

3 MANUAL OPERATION

For switching the load press and observe the display.

[] Permanently ON. [] Permanently OFF.

ON until turned OFF by the program.

OFF until turned ON by the program.

4 PROGRAMMING SWITCHING TIMES

Up to 42 operations can be stored.

First check the correct day and time has been set.

If incorrect refer to step 2.

Press 'prog' key once. The display will show days of the week. Time section blank.

A. For operating day or days:

All days of the week: Do not push any keys.

Proceed to B.

Any one or group of days: Press the 'select' key and hold down. Push 'day' key to delete non required days.

B. To set operating time - press 'h+' and 'm+' repeatedly.

C. To switch on or off at this time press to show.

ON or OFF

Press 'prog' for the next required switching operation - repeat (A) (B) (C) above.

Pressing the key once stores the programmed data and returns the time switch to its current switching status.

Example:

Turn ON Thursday 9pm, OFF Thursday 11:55pm.

Key:

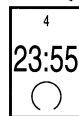
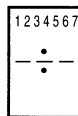
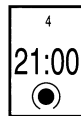
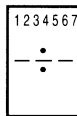
Prog.

Day, Select,
h+, m+,

Prog.

Day, Select,
h+, m+,

Display:



Repeat as required for further switching operations.


5 HOLIDAY PROGRAM

For convenience when you go on holidays, you can set up a simple operating program for that duration - up to 99 days. The holiday program has priority over the normal program. It will operate for the set duration and then revert to the normal program, or it can be operated continually without a pre-set limit. The start of your program can be immediate, or it can be pre-set up to 6 days in advance.

For your convenience the holiday program can only involve switching times which will be the same on






all 7 days of the week. **Not for individual days.**
For more complex programming use the normal program.

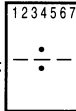

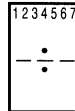

To set switching times for the holiday program.

Switching times are entered in the same way as for program switching times, then the holiday key  is added.

Example:


To turn ON at 4pm and OFF at 11pm each day of the week;


Key:	Prog.	h+, m+, 	Prog.	h+, m+, 
Must use all 7 days				

Display:				
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Repeat as required for further switching operations.

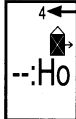
Setting start and finish times of the holiday program.

The  key must be pressed to return the time switch to the current operating state before programming the start and finish times of the holiday program.


If no switching times have been programmed for the holiday program, the holiday symbol starts flashing when the  key is pressed. Set switching time as outlined above.

Starting time

Press  once, the following display appears:

Display: 

← Current Day

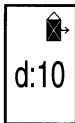
The cursor for the current day of the week starts flashing. If you press the  key at this point, the holiday program is set for continuous daily operation.


If you wish the holiday program to start at a later date than the current day (up to 6 days in advance), use the 'Day' key to select the required day of the week.

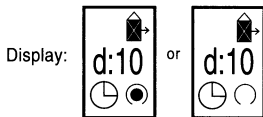
Finishing Time

To set finishing time enter the duration of the holiday in days by pressing 'Select' key repeatedly. If the 'Select' key is held down for longer than 2 seconds, the "fast forward" mode is activated (scrolling) e.g. 10 days.

Display:
for 10
days
setting




Pressing the  key stores the programmed information. At the same time, the current switching status is displayed in accordance with the holiday program. The holiday program is now set. The display will show current time and day until the starting day is reached. Once reached the selected duration status is displayed.




The preselected duration of the holiday (10 days) is counted down from day to day - d10, d9, d8,..... after which the current time reappears on the display. The switching times for the holiday program are retained, but are no longer active.

Premature termination or interruption of the holiday program.

If the holiday program has already commenced,

press the  key once. The time switch returns to its current switching status.

If the holiday program has not yet started, press the  key twice. The preprogrammed duration of the holiday appears first on the display, followed by the current switching status.



6 RANDOM SWITCHING

e.g. A useful security feature.

Random switching time ON and OFF are between the following values- **5 minutes minimum, 60 minutes max. ON times. 5 minutes minimum, 30 minutes max. OFF times.**

You can program this to operate continually or only for a particular time span in the day.

Random Switching Continually

To select the random mode, hold  and press 'RND'. To switch off the random mode and return to normal automatic program, press  5 times.

Random Switching During Time Span

Random operation between ON and OFF times assigned by you.

Example: Random operation mode ON Thursday 9pm, OFF Thursday 11:55pm.