

TIME SWITCH PROGRAMMABLE

LOW VOLTAGE SUPPLY 12VAC/DC

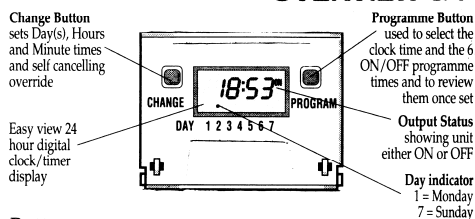
INSTALLATION INSTRUCTIONS



ISSUE : 001/UK

REF : PROG_TS1.PPP

OVERVIEW & PROGRAMMING INSTRUCTIONS



Battery

This product has a factory fitted rechargeable battery. If the time controller is left with its mains power switched off for more than 1 month the display may go blank. In this case switch mains on, wait 30 mins, and apply reset - see 1 before programming.

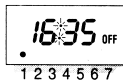
Programming

This is a seven day (weekly) timeswitch which has six programmes, each of which can be block programmed to work on all of the five weekdays, both weekend days, or all 7seven days (24 hour operation). Programmes can also be designated to operate on individual days.

Only two setting buttons are required, Change and Program. In normal use the Change button is used to switch ON or OFF, overriding the timeswitch until the next programmed OFF or ON time. During programming the Change button is used to set the hours, minutes and days. The Program button is only used when setting or adjusting the clock time and day or the 6 programmed ON/OFF times and days, although it can also be used to review the ON/OFF times and days once they have been set. Each time the Program button is pressed the display will flash either the days, hours or minutes in turn, starting with the clock then the first ON time and day(s), first OFF time, second ON time and day(s) etc. Wherever the days, hours or minutes are flashing they may be set using the Change button. Once set the Program button is pressed again to proceed to the next stage.

Normal Operating Mode

In normal operation the PanelMaster will display the correct day and its time with the colon flashing. The output status will be shown by either ON or OFF on the display.



1 To Reset Display

To clear programmes from memory and reset the time controller press and hold down both buttons until the display goes blank. Release buttons and display will fill with its complete range of characters and then clear to show clock and day 1 symbol flashing.

You are now in the clock setting mode at the beginning of the programme sequence



Programming sequence

Setting clock	→	Programme 4 ON
Programme 1 ON	→	Programme 4 OFF
Programme 1 OFF	→	Programme 5 ON
Programme 2 ON	→	Programme 5 OFF
Programme 2 OFF	→	Programme 6 ON
Programme 3 ON	→	Programme 6 OFF
Programme 3 OFF	→	Operating Mode

Note: Button pauses greater than 1 minute during programming will result in automatic return to the operating mode.

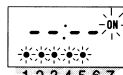
2 Setting Clock (after reset)

i Day Setting - Press <Change> button to advance to the day required. Day 1 = Monday and Day 7 = Sunday.

ii Hour Setting - Press the <Program> button once to select the hour - display shows clock symbol and the hrs digit flashing. Press the <Change> button to advance the hour setting. Note: For rapid hour selections press and hold down <Change> button.

iii Minute Setting - Press the <Program> button once to select the minutes - display shows with clock symbol and minute digits flashing. Press the <Change> button to advance the minutes setting. Note: For rapid minute selection press and hold down <Change> button. (Note: 16 hrs shown as example of hrs set)

iv Press <Program> button once - clock is now set and display shows ready for the first ON programme time.



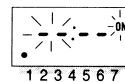
3. To Set Programme ON/OFF Times (after clock setting)

Programme 1 ON time

i Press <Change> button to advance the day flag to the required day(s) settings which are:

1	2	3	4	5	6	7	= 5 days (Weekdays) Mo Tu We Th Fr
•	•	•	•	•	•	•	= 2 days (Weekend) Sa Su
•	•	•	•	•	•	•	= 7 days (Everyday) Mo Tu We Th Fr Sa Su
•							= Individual days Starting with Monday through to Sunday

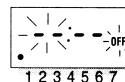
ii Once day option selected press <Program> button once to select hour time - display shows hour digits and ON flashing. Press <Change> button to advance hour setting. (Note: Monday shown as an example of days set).



iii Press <Program> button once to select minute time - display shows minute digits and ON flashing. Press <Change> button to advance minute setting. (Note: 16 hrs shown as example of hours set).



iv Press <Program> button once - the first ON time is now set and display shows ready for the first OFF programme time.



v Now set the hrs and minutes as before. The day(s) selected remains the same.

vi Repeat steps i to v to set the remainder of the 5 ON/OFF times as required. Note: Any unused ON/OFF programme should be skipped until the display shows normal operating mode. Do not programme '0's into unused programmes.

IMPORTANT After setting a clock time which falls within a programmed ON period, the unit will not switch ON. Use the Change button to switch unit ON. After this the unit will operate normally to the programmes set.

4. Programme Review

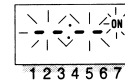
To fast review the set programmes or for quick exit to normal operating mode - press and hold the <Program> button.

5. Initiating Programme Mode

This can be initiated any time during the normal operating mode. Press <Program> button and the Clock symbol, day flag, hrs and minutes symbols on the display will flash - this is review mode. If any change to programmes is required press <Change> button to initiate programme mode and then follow steps 2 and 3.

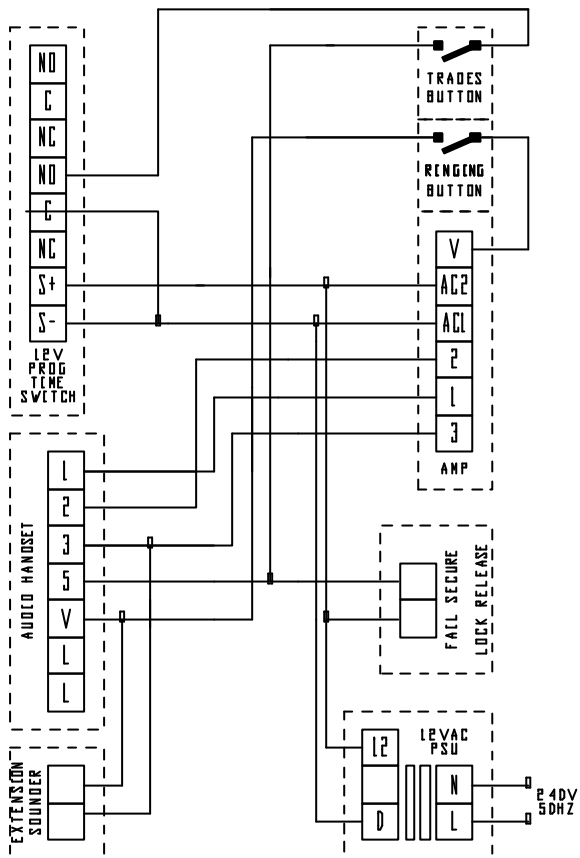
6. Cancelling Programmes

Any ON/OFF programme can be cancelled by clearing its ON and OFF time. Follow step 5 and when into the ON or OFF programme to be cancelled press the <Change> button until the hour digits show --:-- then press the <Program> button to clear the programme. The display will show the hour and minute digits and ON or OFF flashing. (Note: Monday shown as an example of days set).



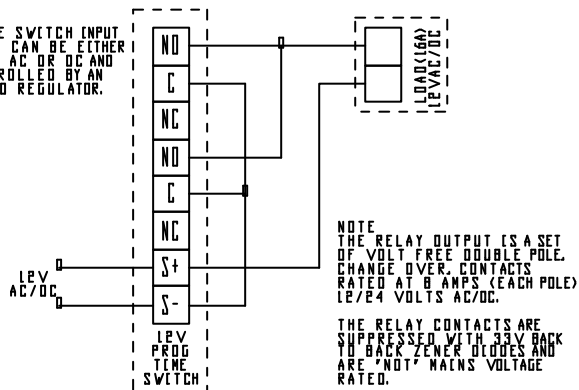
Self Cancelling Override

To change the output status from ON to OFF or vice versa during normal operation press the <Change> button. The output status will change and indicate override is in operation by flashing.



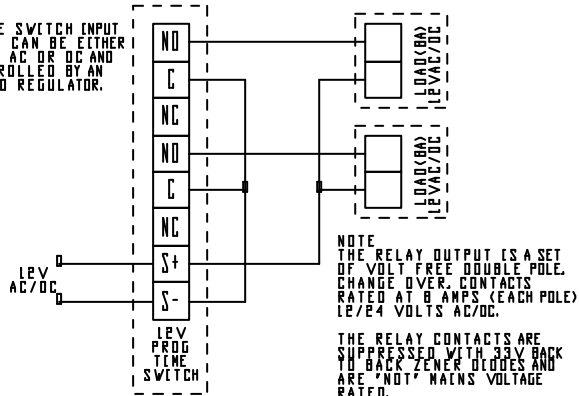
(1.1) STANDARD CONNECTION AS ALPHA AUDIO ENTRY & TRADES TIME SWITCH (12VAC)

NOTE
THE TIME SWITCH INPUT
VOLTAGE CAN BE EITHER
12VOLTS AC OR DC AND
IS CONTROLLED BY AN
ON BOARD REGULATOR.

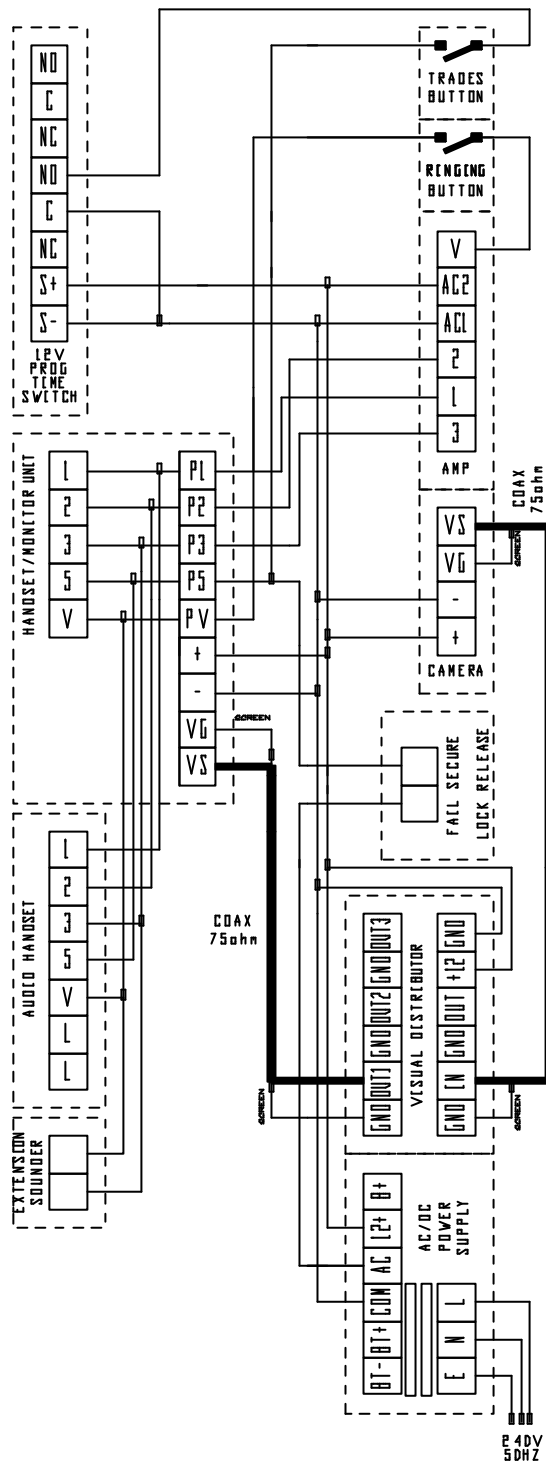


(1.3) STANDARD CONNECTION TO DRIVE A SINGLE LOAD (12VAC/DC 16AMPS (MAX))

NOTE
THE TIME SWITCH INPUT
VOLTAGE CAN BE EITHER
12VOLTS AC OR DC AND
IS CONTROLLED BY AN
ON BOARD REGULATOR.



(1.4) STANDARD CONNECTION TO DRIVE TWO INDIVIDUAL LOADS (12VAC/DC 16AMPS (MAX))



(1.2) STANDARD CONNECTION AS ALPHA VISUAL ENTRY TRADES TIME SWITCH (12VDC)

IMPORTANT NOTE

THIS PRODUCT HAS AN ON BOARD RECHARGEABLE BATTERY. IF THE TIME SWITCH IS LEFT WITH ITS 12VAC/DC POWER SWITCHED OFF FOR MORE THAN 1 MONTH THE DISPLAY MAY GO BLANK. IN THIS CASE SWITCH THE 12VAC/DC POWER ON, WAIT FOR 30 MINS AND APPLY RESET BEFORE PROGRAMMING (SEE 1.)

DATE 28-6-1999

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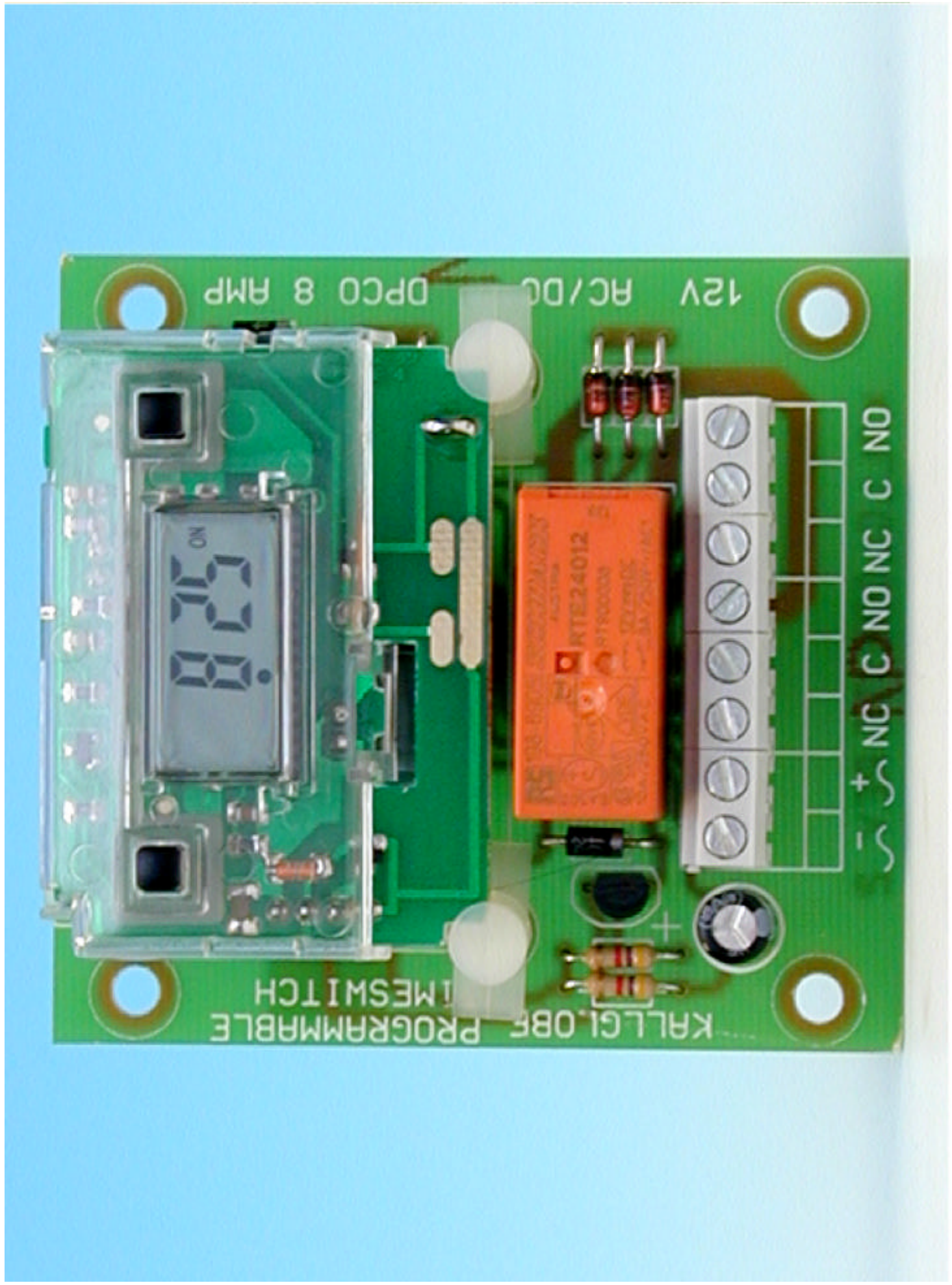
DRAWN K.G.J

PROGRAMMABLE TIME SWITCH 12VAC/DC CONNECTION DIAGRAM

- (1.1) STANDARD CONNECTION AS AN ALPHA AUDIO OR ENTRY TRADESMENS TIME SWITCH (12VAC)
- (1.2) STANDARD CONNECTION AS AN ALPHA VISUAL OR ENTRY TRADESMENS TIME SWITCH (12VDC)
- (1.3) STANDARD CONNECTION TO DRIVE A SINGLE LOAD (12VAC/DC 16AMPS (MAX))
- (1.4) STANDARD CONNECTION TO DRIVE TWO INDIVIDUAL LOADS (12VAC/DC 16AMPS (MAX))

DRAWING NUMBER

T-SWITCH
070_001



12V AC/DC DPCO 8 AMP

KALLGI 08F PROGRAMMABLE
DPCO 8 AMP

0.00
ON

TE24012
12VDC
10A

+ ~ - C NO NC C NO