

# 011 082 Timer Functions

Optional timer function permits up to 8 timer outputs with up to 8 timer programs.

Each timer output can have a separate program, or any particular timer output can be selected between a range of timing programs.

## Timer Outputs

Timer outputs are numbered 1 thru 8.

Each Timer Output can be INACTIVE (off or not used) or operating according to one of the Timer Programs (A to H).

## Timer programs

Each timer program (Program A thru H) has up to 20 programmable "events" and two "levels" (High and Low).

Each "event" is a time when the output is set to either a High or a Low level.

In most cases, High means ON and Low means OFF. For special applications (such as dimmable lighting or cycle timing) you may want to use "modulated levels".

An example is given below, but if you mean to use this feature, call Technical Support giving details of what you want to do, and we will provide detailed instructions.

## Timer Sequence

See example below for setting up a timer sequence. It's easier to follow if you enter the program in the sequence it is meant to occur, but it's not essential.

The program automatically searches the programmed events and handles them in real time sequence.

For example, in the example shown, you might decide to add an extra period of lighting between 4 am and 5 am. Just enter HI at PROGA[5] at 04:00 and LO at PROGA[6] at 05:00, and the extra switching cycle will be made, even though it's out of sequence.

## Time & Date

Timers are usually operated on a Network where the exact time is supplied by the Network Monitor (Netmon) so you don't need to set a time on the Slave/Timer unit (except for testing/setup).

Until the Time/Date has been set (or if the unit loses the exact time), Time & Date blink in the Keypoint display. Date is shown on the unit, but is not used by the Timer program.

If you set the time/date on the Slave/Timer unit, you may find this is immediately altered/corrected by the Network.

## Example

**You want a Timer Output 1 to switch on lighting from 6 am to 8 am, and 5.30 pm to 7.15 pm, at other times off.**

- 1 Select EDIT PROGRAM-A. Turn the knob past PROGA HIGH AND LOW.
- 2 Select PROGA[1] and adjust TO from [--] to HI. Adjust TIME to 06:00 (6am).
- 3 Select PROGA[2] and adjust TO from [--] to LO. Adjust TIME to 08:00 (8am).
- 4 Select PROGA[3] and adjust TO from [--] to HI. Adjust TIME to 17:30 (5).
- 5 Select PROGA[4] and adjust TO from [--] to LO. Adjust TIME to 19:15 (7.15 pm).
- 6 Check that PROGA[5] to PROGA[20] all show TO = [--]
- 7 Select Timer 1 and set it to PROGRAM-A.