

12 Noon Scheduling

Affects: ASIC/2 Version C controllers

Date: April 26, 2000

Note No. TE-018

We found a bug with the schedule object that has been fixed but affects all C style ASIC/2 controllers up to (but not including) version 2.4 for the 7040 and version 1.4 for the 8040. A value of 12:00 is interpreted in the controller as midnight rather than noon.

Normal schedule operation is discussed below so that the effect can be explained.

The ASIC/2 controllers allow daily schedules to be setup in 7.5-minute increments, with a single On and Off time per day, per schedule.

Scheduling can be set as follows:

If the On time is less than the Off time, then the schedule output is Off when the clock time is less than the On time or greater than the Off time.

Example:

Schedule On Time is 8:00 am -- Schedule Off Time is 6:00 pm (18:00)

If Current Time 7:30 am then schedule is OFF.

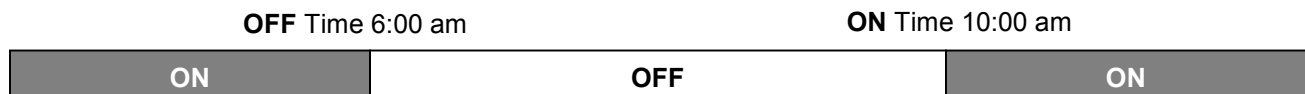


If the Off time is less than the On time, then the schedule output is On if the time is less than the Off time or greater than the On time.

Example:

Schedule On Time is 10:00 am -- Schedule Off Time is 6:00 am

Current Time 5:30 am – schedule is ON.



In ASIC/2-7040 versions earlier than version 2.4c and ASIC/2-8040 versions earlier than 1.4c, the schedules will not work as described when a 12:00 noon Off time is entered. If 12:00 noon is entered as an Off time, the schedule will always be On for that day. If it is entered as an On time then the schedule will be on until the Off time then off until the end of the day.

There are two ways to resolve the problem:

1. Use 11:53am or 12:08pm as the Off or On time.
2. Upgrade the firmware to the latest 740C or 840C version (currently 740C v2.6 or 840C v1.6). All version E firmware for the ASIC/2 controllers also handle 12:00 noon Off times correctly.