

680 Synergy Plus Digital Weight Indicator

Real Time Clock Fix

Product: 680 Synergy Plus Digital Weight Indicator







Issue: Some Real Time Clock (RTC) calendar months rollover on incorrect days and the SD command is unable to set some dates

Cause: RTC expects months defined as 1-12, but the TM structure defines months as 0-11

Solution: Update 680 indicator to firmware version 1.08 and set the date

This was first introduced in firmware version 1.05 and causes some RTC calendar months to rollover on incorrect days and the SD command to be unable to set some dates. This issue is due to the RTC calendar months being different than a universally used TM structure. This TM structure is used to populate the registers of the RTC, however, the months fields in the TM structure are based on months AFTER January (0-11), while the RTC expects months defined as 1-12. This shift in months causes the month rollover to work incorrectly.

To fix the RTC issue, use Revolution to first update the 680 indicator to firmware version 1.08 or newer. The date will be incorrect on the indicator and needs to be manually set. Use the following procedure to edit the date values from the front panel of the 680.

1. Press . RUd, E displays.
2. Press  multiple times until dRE displays.
3. Press  to view the current set date.
4. Press  to clear the current date.
5. Use the numeric keypad to enter the new date value.
6. Press  to accept the new date value.
7. Press  to return to weigh mode.



The SD command can also be used to set the new date value after updating the 680 indicator to firmware version 1.08 or newer. Refer to the 680 indicator technical manual (PN 192627) for additional information.



Manuals and additional resources are available from the Rice Lake Weighing Systems website at www.ricelake.com

Warranty information can be found on the website at www.ricelake.com/warranties



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