

Diary Programming

Diaries are used to display customised default displays on Terminals at various selectable times. They can also be used to control Auxiliaries, Area and Battery Testing.

DA001 Date-Time
26/07/_ - 09:30

This screen allows a date and time to be specified as to when the Diary will be valid. A blank field means ignore that item. The date and time is specified in DD/MM/YY, HH:MM format. In this example, Diary 001 will become valid for 1 minute between 09:30 and 09:31 on the 26th of July every year. If the HH:MM field is left blank, the Diary message will be displayed for the whole of the day/period specified.

NOTE:

To remove a Diary do not press OFF. This will make the Diary continuously valid. Instead, set the Date and Time to 00/00/88 - 00:00

DA001 SMTWTFS
Days-> YYYYYYY

This screen selects what days of the week the Diary event will be valid. In this example, the Diary event will be valid on any day of the week.

DA001 1st line
Happy Birthday

This screen determines the top line that will be displayed on LCD Terminals programmed to accept Diary messages when this Diary event becomes valid.

IMPORTANT NOTE: The first character must not be left blank. If you don't want the required text to start at the first character, program a symbol such as a full stop or a dash for the first character. (If programming via the LCD Terminal, symbols are selected using the "0" key.)

DA001 2nd line
General Manager

This screen determines the bottom line that will be displayed on LCD Terminals programmed to accept Diary messages when this Diary event becomes valid. If a full stop is placed in the last character position of the 2nd line, the LCD Terminal will emit a short beep at the start of displaying the message.

DA001 Output
Aux: _ :X

Output Auxiliary. This screen allows an output Auxiliary to be chosen which will turn on when the Diary event becomes valid and turn off when the Diary event becomes invalid.

From V3 to V3.5x, this screen (the "Diary Auxiliary") was utilized as an Output Auxiliary OR a Qualify Auxiliary depending on whether or not the "Qualify Aux" Diary Function was selected. (No Qualify function available V2 or earlier)

DA001 Qualify
Aux: _ :X

V4 or later only. When the Time and Date indicate that the Diary should be valid, the Diary will first check that the "Qualify Auxiliary", if programmed in this screen, is On.

-If Time & Date are valid and the Qualify Auxiliary is On, the Diary will be valid.

-If Time & Date are invalid or the Qualify Auxiliary is Off, the Diary will be invalid.

(To provide the Qualify function in V3 to V3.5, select the "Qualify Aux" option in the Diary Functions and program a "Diary Auxiliary" to qualify against. No Qualify function was available V2 or earlier)

DA001 Function-> None

This screen allows the User to select the function of the Diary Message:

Add 1 Hr	When the Diary goes valid, the real Time clock is adjusted by adding 1 Hour. i.e. Start of Daylight Saving. (V2 or later)
Subtract 1 Hr	When the Diary goes valid, the Real Time clock is adjusted by subtracting 1 Hour and the function is changes to "Skip Subtract 1 Hour". i.e. End of Daylight Saving. (V2 or later)
Battery Test	When Diary goes valid, automatic Battery Test cycle begins. <i>See details below.</i> (V3 or later only.)
Skip Subtract 1 Hr	When Diary goes valid, function changes to "Subtract 1 Hour". This option is selected automatically when necessary. (V3 or later only)
Qualify Aux	V4 or later - Not available. Independent "Output" and "Qualify" Auxiliaries were made available in V4 firmware, making this option unnecessary. V3.0 to V3.5x - If set to Yes, then when the Time and Date indicate that the Diary should be valid, the Diary will first check that the Diary Auxiliary programmed earlier is On. If the Time and Date are valid <u>and</u> the Diary Auxiliary is On, the Diary will be valid. If the Time and Date are invalid <u>or</u> the Diary Auxiliary is Off, the Diary will be invalid. (Note: No Output Auxiliary is available when this option is selected) V2 or earlier - No Qualify function was available.

Diary Priorities

Diary Messages have a priority system based upon the Diary number, where Diary number DA001 is the lowest priority and the highest available Diary Message is the highest priority. (The highest available number may be 5, 10 or 32, depending on memory size and configuration).

e.g. **If Diaries 1 and 4 are both valid, Diary 4 will be displayed.**

Dynamic Battery Testing. See "Battery Testing" in the Applications Programming section for full details.

Battery testing is initiated by a Diary event which allows the installer to dictate the frequency dependent on their requirements. The period can also be set from 0 (no test) to 255 minutes for each module to be tested.

Only the Controller, B Type Expanders, E Type Expanders and Intelligent 4 Door Access Modules are capable of battery testing.

The battery test when activated starts with the controller when a Diary with a function of "Battery Test" goes valid. Once completed successfully or due to failure the next module programmed will then start battery testing. Battery testing finishes once all modules set for testing have completed their test.

Battery test times should be set with module load in mind. It should be realised that if a battery test for 4 hours is performed and the AC supply to the building failed shortly after the test was complete, the charge of the battery would be severely effected. This coupled with the age of the battery would greatly reduce the integrity of the system. The battery test does NOT turn off the AC Mains supply to the module being tested, it turns off the Battery charge circuit allowing the module to run off the battery supply only.

As a general rule a battery test time of between 1-10 minutes would be used to determine only that a battery is connected. A time of between 60-120 minutes would deduce that a battery should be in good working order. Periods greater than 120 minutes should only be set for deep discharge testing conditions where the reliability of the AC mains supply can be guaranteed.