

Dr.Mayday

ALARM - UNIT



User's Guide

Version No. 1.28

Keyboard

The keys are labeled 1-8 referring to input No. 1-8.

The labels A-D refers to output A-D. (D has been assigned to battery test.)

To the right of each key 1-8 there are attached keys which are free to mark with information about what is the use of the inputs. These "hidden" keys, though, has there own function shown by the text beneath.

Toggling alarm supervision of each input

Press the key (1-8) to toggle alarm supervision of each input.

The red light shows the state of the specific input:

STATE	LIGHT INDICATION
SUPERVISION SUSPENDE	OFF
SUPERVISION ACTIVATED	ON
ALARM CONDITION	FLASHING

Reset the alarm condition

If an alarm condition occurs on a input, the red light will flash.

1. Press the key and the alarm condition will be suspended
2. Remove the cause of the alarm
3. Press the key and the alarm supervision will be activated again

With Dr.Bell: If you cannot remove the cause of the alarm you may also press "hidden" key "RESET" to make the siren stop and the key will continue flashing to remind you later.

Alarm acknowledge filter

When an error is detected by an input it must stay for at least 5 seconds to trigger alarm condition. This is to avoid that electrical noise and non important events are triggering the alarm

You may rise this value from 5 seconds to a maximum of 255 seconds. This can be used for monitoring water pressure systems. It is carried out by remote control from a telephone - through Dr.Bell. See chapter: "Remote control through telephone"

The “hidden “keys

These functions are only available when connected to Dr.Bell speech computer

“HIDDEN” KEY	FUNCTION
RESET	By alarm situation: 1. Silences the siren 2. Makes an acknowledgement of all alarm entries on complete system (handled by Dr.Bell) 3. Announces the alarm entries regarding complete system
HORN	Indicates by lighting LEDs for how many minutes the siren will sound. Controlled by dip switch 6 and 7
MUTE	Silence the on-going stream of speech
STATION	Indicates by lighting LEDs the station number series. 1 = Main unit 2= first expanding unit, 3 = second expanding unit and so on. Controlled by dip switch 1, 2 and 3
PHONE	Makes Dr.Bell go into setting mode. Only useable by fixed line system
TEST	To test the siren. Version number is announced in speaker when key is no longer pressed.
SPEECH	Announces the alarm entries regarding complete system even if they are acknowledged. SYSTEM light flashes if there are any.
PAUSE	Begin service break. Press this key to suspend alarm supervision for 60 minutes. It will automatically return to normal supervision when 60 minutes have passed. Or simply press once more to return to normal supervision again. SYSTEM light will indicate service break mode by flashing slowly - once every two seconds.

Battery test

Battery test uses output D to activate an input on the power supply which makes this switch to battery power mode for 10 minutes. An additional load of power resistors are engaged. The light in the D-key will be on.

If battery capacity is too low, i.e. voltage drops below 11.5 VDC, the test will stop, and an alarm situation will be triggered. SYSTEM, 12 VDC and the D-key lights will be flashing. Press hidden key RESET to acknowledge. New alarm will occur next day. In the meantime please change the battery.

Battery test will take place every 24 hours. The time of day may be settled by pressing D-key in 2 seconds at that time. Internal time will be set to 8.00. You may set the internal clock through telephone, see chapter: “Remote control through telephone”

This function is controlled by dip switch No.5. ON-position means function activated.

SYSTEM and 12 VDC - lights

Light	ON	FLASHING
SYSTEM	System OK	Every 0.5 seconds: 1. Alarm entry by local input 2. Alarm entry by other unit 3. Faulty communication 4. Faulty telephone line/system 5. Faulty power supply Every 2.seconds: 1. service break
12 VDC	Power supply (13.8 V) OK	1. Power supply below 12.5 VDC for more than 15 minutes, or below 11.5 VDC. 2. Power supply below 11.5 VDC during battery test. D-key is also flashing

Remote control through telephone

Please, do also read the user guide for Dr.Bell speech computer, which handles this function.

Below: Some examples how to control Dr.Mayday through telephone.

1. Establish connection to Dr.Bell by calling the telephone number.
2. Enter code
3. Use the commands shown below

FUNCTION	Command sequence
Toggle the alarm supervision ON and OFF for each input.	Input 1: 401 * 0 # ... Input 8: 408 * 0 #
Toggle output A, B and C ON and OFF	Output A: 501 * 0 # Output B: 502 * 0 # Output C: 503 * 0 #
Request announcement of alarm entries	99 * #
Setting alarm entry acknowledgement time 1-255 seconds (Default 5 seconds)	601 * 4 * <seconds> #
Set the internal clock	601 * 29 * <time> # (8.00, press 800)