LED Board – Days without Accident
CDN 100/3(4)
SAFETY BOARD RG L20 230AC IR

User Guide (version 3.09)

Operating Instructions

Setting and controlling display parameters is performed via IR remote control. Use function buttons: **MENU**, **SELECT** + **F1**, **F2**, **F3**, **F4** and **RESET** to enter and set different menu items. Simply point the remote control toward the front cover of LED board and press one of the function buttons according to desired parameter which you want to change.

Brightness Control

MENU

br Brightness control mode. Confirm selection with **OK**. Select desired option: manual (**di**rect) or **au**tomatic with **„up/down arrow"** button, confirm with **OK** button.

di **Di**rect control of fixed brightness level.

Au **Au**tomatic control of brightness according to ambient light conditions.

bL Brightness level. Confirm selection with **OK** button. Set direct brightness level from **1** to **100** when manual (di) option is selected. Set slope of brightness regulation curve when automatic (Au) option is selected.
Select desired value with **„up/down arrow"**, confirm with **OK**.

Setting Value, LED Color, Limits, Time and Date

SELECT

Displayed value will be blinking indicating that LED display is ready to be set via the function buttons: **F1**, **F2**, **F3** and **F4**. Press one of these buttons to set its desired value or parameter.

Setting Value

F1

Use **„up/down arrow"** keys to move in submenu items, confirm selection with **OK**.

UAL **Value -** Sets the initial value of days without accident.
Press **OK** button to enter desired start day value using numerical buttons **0 - 9** (e.g. "231"). Press **OK** to confirm new value. In case of entering wrong value, use **DEL** key to clear display.

Mod **Mode** - Sets mode of operation - when displayed day value is incremented.
Press **OK** and select desired mode with **„up/down arrow"** butons, confirm with **OK**.

Mid Day value is incremented at Midnight.

nou Day value is incremented every day at the same time when initial value was set in UAL menu and pressed OK.

Displayed value will be incremented automatically every 24 hours. Use **F1** or **ESC** keys to leave this menu.

Setting LED Color

F2

CoL **Color,** confirm selection with **OK** button.
Valid for color displays only. Press and hold **„up/down arrow"** buttons to change color or color hue of LEDs. Confirm with **OK** button. *For single-color LED displays set this value to 99.*

Setting Limits

F3

Use **„up/down arrow"** keys to move in submenu items, confirm selection with **OK**.

Lou Confirm selection with **OK** button. Sets lower limit value. When day value is under this limit, LED color is **red**. The **Ct** function below must be turned on. Enter desired value using numerical buttons **0 - 9**. Press **OK** to confirm new value.

uPP Confirm selection with **OK** button. Sets upper limit value. When day value is above this limit, LED color is **green**. The **Ct** function below must be turned on. Enter desired value using numerical buttons **0 - 9**. Press **OK** to confirm new value.

Ct Confirm selection with **OK** button. Turns on or off automatic color change in dependence to displayed value. Press **OK** and use **„up/down arrow"** to select **oFF** or **on**.
*For color LED, when Ct function is on, LED color of displayed value is changing gradually as number of days increases from red color at **Lou** limit through orange, yellow, yellowish green up to pure green at **uPP** limit. For single-color LED displays set this value to oFF!*
Use **F3** or **ESC** buttons to leave this menu.

Setting Time and Date

F4

Hou **Hours**. Confirm selection with **OK** button. Sets hours of current time.
Use **„up/down arrow"** buttons to set value. Confirm with **OK** (or press **ESC** to leave menu).

Min **Minutes**. Confirm selection with **OK** button. Sets minutes of current time.
Use **„up/down arrow"** buttons to set value. Confirm with **OK** (or press **ESC** to leave menu).

SEc **Seconds**. Sets seconds to zero of current time. Press **OK** to set to **„0"**.

dAY **Day**. Confirm selection with **OK** button. Sets day of current date.
Use **„up/down arrow"** buttons to set value. Confirm with **OK** (or press **ESC** to leave menu).

Mon **Month**. Confirm selection with **OK** button. Sets month of current date.
Use **„up/down arrow"** buttons to set value. Confirm with **OK** (or press **ESC** to leave menu).

YEA **Year**. Confirm selection with **OK** button. Sets year of current date. Use **„up/down arrow"** buttons to set value. Confirm with **OK** (or press **ESC** to leave menu).

d5 Sets automatic transition of daylight saving time. Press **OK** and use **„up/down arrow"** keys to set on or **oFF**. Confirm with **OK** (or press **ESC** to leave menu).

Use **F4** or **ESC** keys to leave this menu.

If no change is desired, you can use the **ESC** key to return from any menu function.
If no return from menu is detected for period longer than 45 seconds, display will automatically return to show days without accident.

Reset of Display to Factory Default Settings

RESET

It is possible to recover default factory settings of display by pressing the **RESET** button and confirming this selection by pressing **OK** button within 3 seconds. If the **ESC** button or nothing is pressed within 3 seconds, parameters will not change and display will return from settings mode into standard operating mode.

-Er

Error message. This message is indicating that the date and time of internal system clock is older than the date when number of days without accident was set in the **UAL** menu.

This can occur at initial setting of display or if the correct system date and time is lost due to power failure for longer than one week.
To fix this issue, e.g. power failure occurred for a longer time period, simply set the correct date and time. Display will then show correct number of days without accident.

Please note!
When you are setting display for the first time, it is necessary to set the correct date and time as well as the initial value of days without accident in the **UAL** menu.

Display Parameters

- Number of lines   1
- Number of characters   3 (optional 4)
- Character height   100 mm
- LED color   red, green, yellow (+ different color hues of these colors)
- Displayed range   0 to 999 (or 0 to 9999)
- Value backup   1 week. In case of power failure, internal clock ensures continuation of counting until power is restored.
- Enclosure protection   IP 20 (for indoor use only)
- Power supply   230 VAC
- Power consumption   7 W max. (3-digit version), 9 W max. (4-digit version)
- Weight   4,5 kg
- Operating temperature   0°C to 40°C