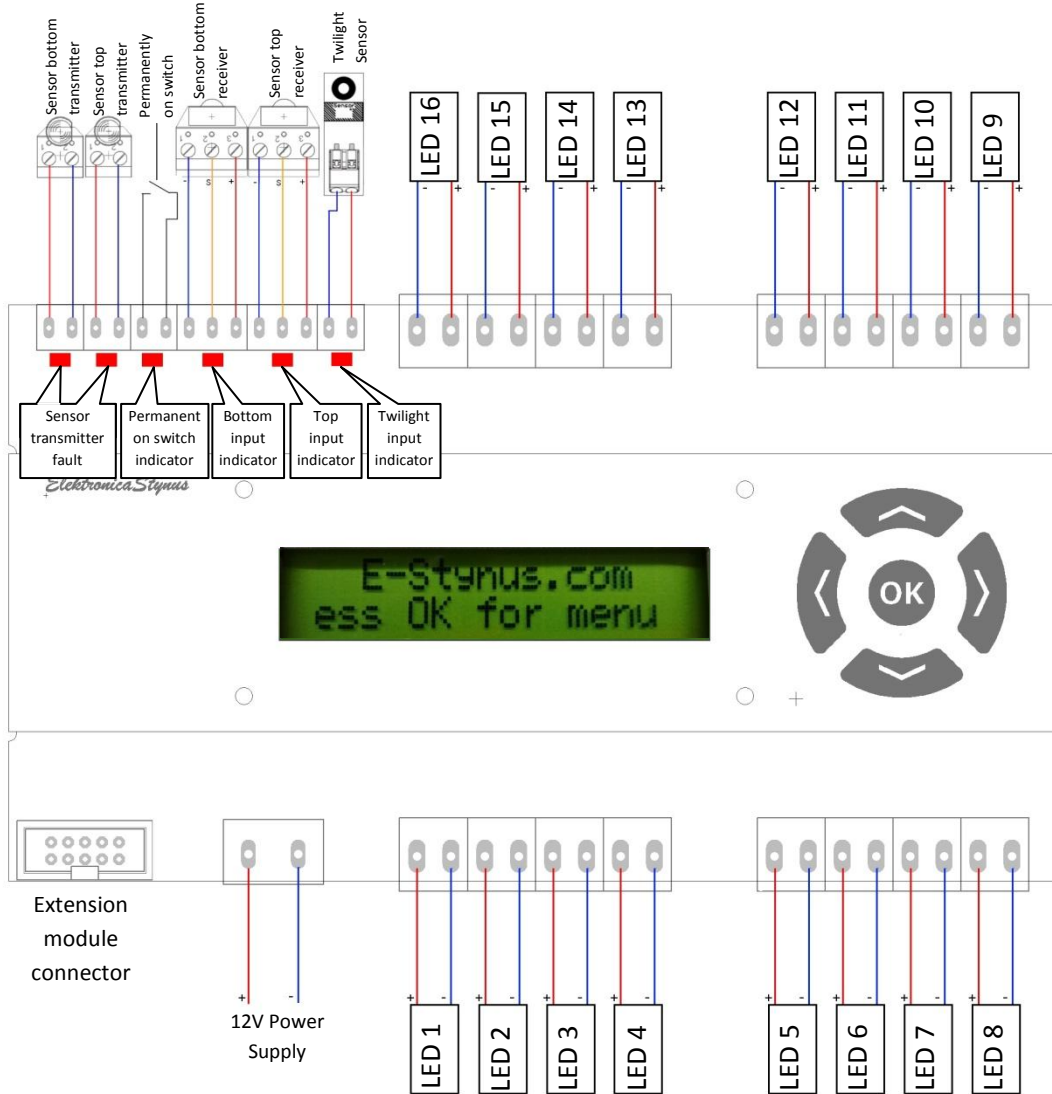
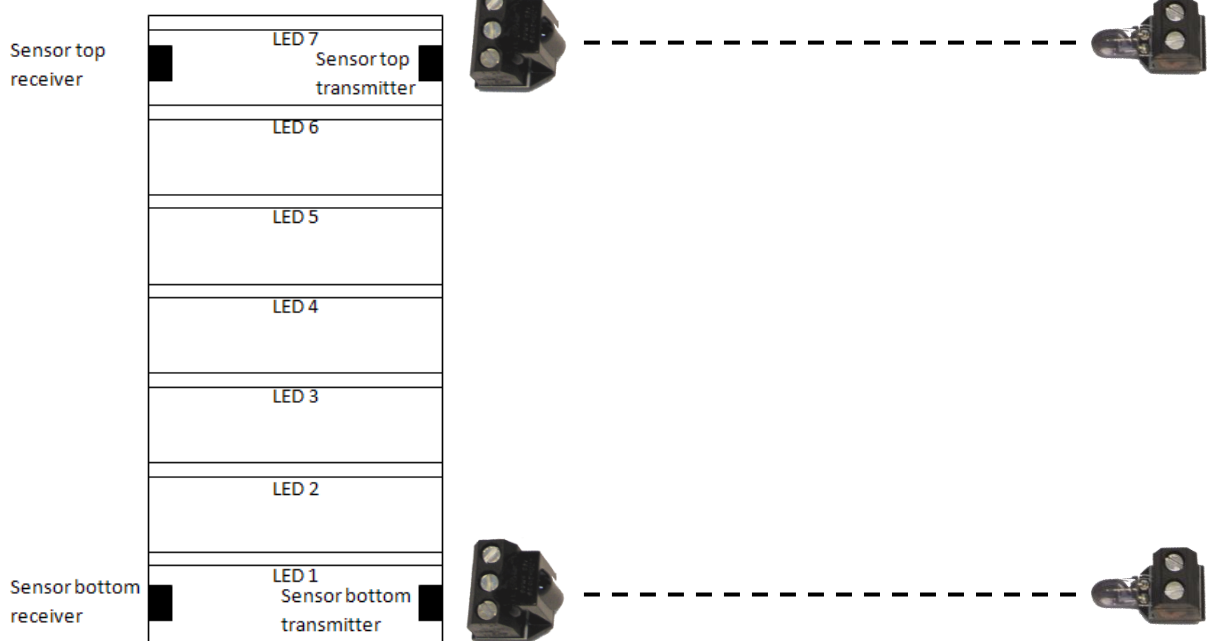


LED Stair Lighting Controller - English

Connection Diagram



Mounting:



Controller settings set-up

After everything is connected and checked, it is time to power and set up the controller.

1. Start-up message



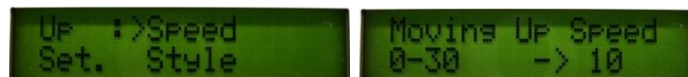
2. Home screen; press **OK** to enter the menu, use and to navigate in the menu and **OK** to enter the sub-menus.



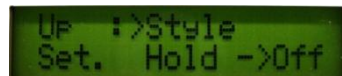
- a. Menu Item 1: Settings upward movement



- i. Speed: This is the speed of the lights turning on. It can be varied between 0 and 30. (use and to change and **OK** to enter)



- ii. Style: This sets the style of how the lights turn on and off



See <https://youtu.be/6-1OS7Bj9c8> for a demonstration of the different effects.

(use and to navigate and **OK** to select)



- Standard: Leds fade on step by step one at the time, the leds also fade off in the same way.



- Falling bars: With this effect the top step wil light, this light will appear to fall to the bottom step that is not lighted yet and stay on there, this happens until all steps are lighted. When the lights turn back off they use the standard program.



- Fade All: All lights will fade on simultaneously.



- Random: Random steps will light up until all steps are lit.



- Exit Menu: Go back to the up settings menu without choosing a light effect.



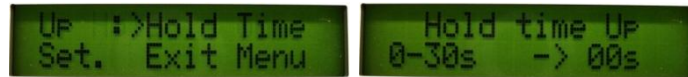
- iii. Hold: When hold is off then the lights turn off when a time (hold time) is done. If this mode is on, the lights will stay on until the person walks through the second sensor.



(use **OK** to change this setting)

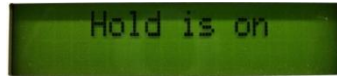
LED Stair Lighting Controller - English

- iv. Hold Time: This setting is to set the time the controller waits after turning the lights on to turn them back off.

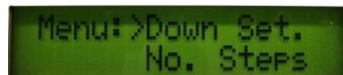


(use  and  to change and  to enter)

- “Hold is on”, when the hold function is active, this time is ignored and cannot be set.






- b. Menu Item 2: Settings downward movement



This submenu is exactly the same as for the upward movement. For the description see point 2.a: “Menu Item 1: Settings upward movement”

- c. Menu Item 3: Number of steps



(use  and  to change and  to enter)

The number of steps on the stair can be set from 4 up to 16.

When a expansion module was connected at start-up, the maximum number changes automatically to 24.

- d. Menu Item 4:Sensor settings



- i. Top sensor high or low active *



(use  to change this setting)

The default setting for the supplied sensors is Hi Act.

- ii. Bottom sensor high or low active *



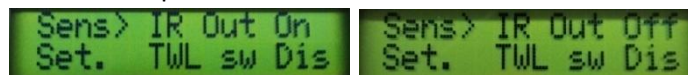
(use  to change this setting)


The default setting for the supplied sensors is Hi Act.

* ElektronicaStynus sensors pull the signal wire high when activated, the signal wire is low when no detection.

If third party sensors are used that work opposite, this setting can be set to low active.

- iii. IR sensor output enable




(use  to change this setting)

When the supplied light gate sensors are not in use, this output can be turned off to save energy.

- iv. Twilight sensor enable

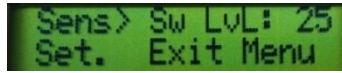


(use  to change this setting)

The default setting is disabled.




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- v. Twilight switch level:



This is the level at which the controller decides when it is dark enough to enable the outputs.

Note: the twilight switch is only checked when the LED outputs are not active.

(use  and  to change and  to enter)

The default level is 25.


- vi. Exit menu: Go back to the main menu



- e. Menu Item 5: Exit Menu



Power saving mode

When the menu is not in a settings submenu the display will go to standby after a short time. The controller will remain fully functional, only the display is shut down. To exit the power saving mode, press .

Over current protection

If an over current / short circuit is detected on one of the outputs. The outputs will turn off and the controller will try to turn them back on after a few seconds. On the controller the sensor input indicators flash when this protection has been activated.

Electrical specifications

-Input: 12V \pm 10%

-Outputs: max 1A at 12V per output (max 12W)

-Up to 16 outputs (24 with extension module)

-Input cable length max 1m; Output / Sensors cable length max 4m

Twilight sensor Connection:



Insert/remove conductors by lightly pressing on push-button
Sensor wire conductor size: 0.2 – 0.75 mm² , AWG 24 – 18
Strip length 6 – 7 mm / 0.24 – 0.28 in

More information

More information about installing this controller can be found on the website e-stynus.com in the documentation section.

(http://e-stynus.com/index.php?main_page=documentation&p=7&language=en)

This controller is only for use indoor use in a dry environment.

Wiring of the controller should only be performed by qualified personnel.

