



FUNCTION AND INTENDED USE

This terminal block is designed for connecting electrical loads, such as ceiling or wall lamps. This allows connected lighting fixtures to be turned on and off and the brightness changed in dimmer mode via the 230 V wiring using ONE commands. For further user information about ONE, e.g. how to select light scenes, operate from multiple locations, activate timer controls etc., please refer to the ONE user manual: www.onesmartcontrol.com/support



MORTAL DANGER!

Touching live electric house wiring (230 V AC) may lead to death or severe burns. Disconnect all power before installing this device and check for the absence of voltage. Prevent third parties from turning ON the voltage.



IMPORTANT INFORMATION:

Only qualified personnel are authorised to install and commission the module. Specific national regulations must be followed. The device may only be operated in dry rooms and must not be used directly or indirectly for health or life-saving purposes or for purposes where a device failure could endanger people, animals or property.

Never connect inductive loads (e.g. wound iron core transformers). This could destroy the terminal block!

INSTALLATION:

Use the mounting box (switch box or ceiling outlet box) appropriate for the light circuit. Deep installation boxes are recommended for new projects. Optionally, the terminal block can be installed directly in lamps. Permissible ambient temperature and the manufacturer's device-specific installation instructions must be observed. After the electrical connection has been made and the power switched ON, the terminal block is automatically registered with the SmartOne in the power distribution panel. The device is then immediately ready for operation and can be controlled via ONE commands.

DIMMABLE LIGHTING FIXTURES:

Dimmable energy saving light bulbs or LED lights must be used to ensure fault-free operation of the dimming function. Depending on the LED light source, afterglow effects may occur when the lamp is switched off.

MODES OF OPERATION:

The terminal block has two output operating modes: switching or dimming operation. Furthermore, the effect of the push-button input can be changed. The operating mode can be changed by the ConnectOne installation software as well as manually by using the push-button. Function mapping as delivered from the factory:

- Output switch operation
- Push-button input device push-button

POWER FAILURE:

The terminal block saves the output status if it has been unchanged for at least 5 seconds. After a power failure, the saved output status is restored.

OVERLOAD:

The terminal block detects overloads and switches OFF the terminal output. A reset is performed the next time a scene is selected (command via ONE or push-button operation), provided the overload no longer exists.

OVERTEMPERATURE:

The output is switched OFF if a thermal overload exists for a long period of time. It is automatically switched ON after the cool-down phase. In addition, there is a separate thermal fuse to monitor the ambient temperature. At temperatures > 130 °C the fuse disconnects the terminal block from the mains. If this happens, the terminal block must be replaced.

SHORT CIRCUIT:

In the case of a short circuit the terminal block disconnects from the connected load and reconnects when the short circuit no longer exists. In case of a permanent short circuit the terminal block completely switches OFF the output. A reset is performed the next time a scene is selected (command via ONE or by local operation).

STATUS INDICATOR (LED):

Status: The LED provides feedback on the last action performed on the device's output. Light scene active = LED 100% ON, light scene inactive = LED strongly dimmed. The LED flashes during scene changes. When setting the room scene (programming mode) the LED flashes 2 times when the terminal block is selected.
Deep Off: The LED is OFF in "Deep Off" room status.
Registration: The LED flashes quickly while registering with a ONE system.

ERROR STATUSES:

- 1 x flash - 1 x pause: overtemperature
- 2 x flash - 1 x pause: short circuit
- 3 x flash - 1 x pause: overtemperature & short circuit
- 4 x flash - 1 x pause: overload
- 5 x flash - 1 x pause: overload & overtemperature

LOCAL OPERATION:

A push-button input (1) is available on the terminal block. Tapping the LED with a screwdriver can also operate the push-button input.

Short tap	.....	switch ON/OFF
Keep pressed when switched ON	.....	dim/increase light
Keep pressed when switched OFF	.....	after 1s: switch light OFF
	.....	after 2s: room standby
	.....	after 3s: room Deep Off
Double tap	.....	select light scene 2 (room scene 2)
Triple tap	.....	select light scene 3 (room scene 3)
Quadruple tap	.....	select light scene 4 (room scene 4)

LOCAL PARAMETER CONFIGURATION:

Parameter 1	.....	output (switch output / dim output)
Parameter 2	.....	push-button function (device push-button / zone switch / room switch)

Prior to changing these parameters, please refer to the additional information in the ONE Installation Guide: www.onesmartcontrol.com/support

LOCAL PARAMETER CONFIGURATION:

Short-short-long until output / LED flashes	.....	activation
Double tap	.....	switch between parameters
Short tap	.....	change the selected parameters
After 30 seconds without activity	.....	automatic abort without saving
Keep pressed (about 3 seconds) while activating	.....	save and exit

PARAMETER DETAILS:

Parameter 1:	.....	Switch: LED flashes, dimming; LED dims and brightens
Parameter 2:	.....	Device push-button: LED glows. Room switch: LED flashes 5x
	.....	zone switch 1 (or 2, 3, 4): LED flashes 1x (or 2x, 3x, 4x)

GUARANTEE:

ONE guarantees fault-free operation of this device in accordance with the specifications for 24 months from delivery by ONE. Opening the device, tampering with the device or incorrect installation / configuration invalidates the guarantee.

TECHNICAL DATA:

Dimming principle	.....	trailing-edge phase control
230 V incandescent lamps, halogen lamps	.....	≤ 150 W
Low voltage halogen lamps with electronic trafo	.....	≤ 105 W*
230 V energy-saving lamps	.....	≤ 105 W
230 V LED lamps	.....	≤ 105 W*
Rated input voltage / frequency	.....	230 V AC / 50 Hz
Power consumption	.....	0.4 W
Protection class (dry rooms)	.....	IP20 EN 60529
Permissible ambient temperature (operation)	.....	-20 °C ... +40 °C
Permissible ambient humidity (operation)	.....	< 80% relative humidity, non-condensing
Maximum cable length of local switch	.....	< 10 m*

* Nominal operation. Check the starting current load.