

Dimmers - TECHNICAL CHARACTERISTICS

14148 - 14149 Dimmer

Technical specifications

- Switch on, regulation and switch off through built-in push button or non-luminous NC push buttons.
- Lighting level is saved when switched off (unless there is a blackout).
- Soft start: ensures a gradual lighting from zero to maximum or preset lighting levels.
- Soft end: ensures a gradual passage from light to dark.
- Protection against short-circuit when switch on and overriding with blow-out indication
- MASTER-SLAVE function: so long as the maximum permissible load of each dimmer is not exceeded, a single MASTER pdimmer can be combined with up to 4 SLAVE dimmers for a total maximum load of:
 - 2500 W / 1500 VA at 120 V~ 50-60 Hz, corresponding to 500 W / 300 VA max connected to each of the 5 dimmers;
 - 5000 W / 2500 VA at 230 V~ 50-60 Hz, corresponding to 1000 W / 500 VA max connected to each of the 5 dimmers.
- TRIAC technology.
- SLAVE dimmer has to be connected to a MASTER dimmer to operate.

Operating

- the device is switched on and off by lightly placing a finger on the front and then taking it off.
- It is regulated by keeping your finger on the front of the device, to reverse the direction of adjustment, take your finger off and then place it back on again immediately. When maximum or minimum load is reached, regulation stops and can be inverted by taking your finger off and placing it back on again

Controllable loads

- Halogen and incandescent lamps:
 - 40-500 W 120 V~ 50-60 Hz;
 - 40-800 W 230 V~ 50-60 Hz.
- Ferromagnetic transformers for low-voltage halogen lamps:
 - 40-300 VA 120 V~ 50-60 Hz;
 - 40-500 VA 230 V~ 50-60 Hz.
- Not suitable for motor control (e.g. exhaust fans, extractors).

01860.60 Electronic transformer

Electronic transformer for extra low-voltage halogen lamps, 20-60 W, 12 V~ (SELV) output, supply voltage 230-240 V~ 50-60 Hz

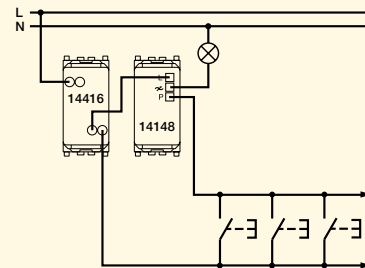
01860.105 Electronic transformer

Electronic transformer for extra low-voltage halogen lamps, 20-105 W, 12 V~ (SELV) output, supply voltage 230-240 V~ 50-60 Hz

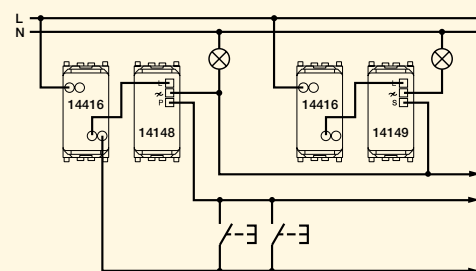
Technical specifications

- SELV-equivalent
- IP20 independent transformer
- Protective terminal cover and cord-grip
- Opposite outlet and inlet terminals
- Max. permitted ambient temperature 50 °C (ta) for 01860.60 and 40 °C (ta) for 01860.105
- Max. permitted ambient temperature on external surface: 70 °C
- Dimensions: 39x149x27 mm

14148 - Control and regulation from several points with NO push buttons



14149 - Control and regulation with SLAVE dimmer



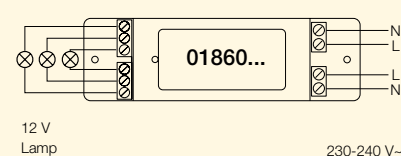
NOTE

- The connection should be made with fuse carrier with quick-acting fuse with high breaking capacity type F5AH 250 V~ (07050.HF.5).
- Installation of 2 dimmers in the same mounting box, the loads controlled by each dimmer must be reduced so that their total does not exceed the indicated values.

Conformity to Standards

LV Directive, EMC Directive
 EN 61347-1, EN 61347-2-2, EN 61547, EN 55015,
 EN 61000-3-2, EN 61000-3-3 Standards

Electronic transformer wiring diagram



Dimmers

Dimmer

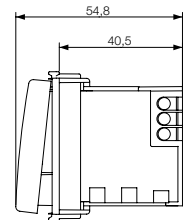
*14148	.SL	Dimmer, supply voltage 120-230 V~ 50-60 Hz for 40-500/40-800 W incandescent lamps and 40-300/40-500 VA ferromagnetic transformers, control and regulation with built-in push button or from peripheral NO push buttons, MASTER function, TRIAC technology, visible in darkness
*14149	.SL	SLAVE dimmer, supply voltage 120-230 V~ 50-60 Hz for 40-500/40-800 W incandescent lamps and 40-300/40-500 VA ferromagnetic transformers, control from 14148 dimmer, TRIAC technology, visible in darkness



14148
white



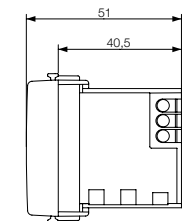
14148.SL
Silver



14149
white



14149.SL
Silver



Electronic transformer

01860.60	Dimmerable electronic transformer for extra low voltage halogen lamps, 20-60 W, 12 V~ (SELV) output, supply voltage 230-240 V~ 50-60 Hz
01860.105	Dimmerable electronic transformer for extra low voltage halogen lamps, 20-105 W, 12 V~ (SELV) output, supply voltage 230-240 V~ 50-60 Hz



01860.60



01860.105