



Light dimmers for resistive loads

44..018 Dimmer for resistive and inductive loads

- Dimensions: 1 System 44 module
- Rated voltage: 230V~ - 50Hz or 127V~ - 50Hz
- Type of load:
 - resistive (incandescent and halogen lamps)
 - inductive (ferromagnetic and electronic transformers)
- Adjustable power:
 - resistive load: 60÷800W at 230V~; 25÷500W at 127V~
 - inductive load: 40÷300VA at 230V~; 20÷150VA at 127V~
- Adjustment by rotative potentiometer (rotation of front knob)
- Front neon lamp for easy detection in the dark. LED ON = voltage presence
- Storage of the preset level of luminosity upon switching the load off
- Operating temperature: 0÷35°C

For flush-mounting, use boxes with 45 mm minimum depth

Note:

- a) EMC filter not included
- b) **Marketing of the product in European Union Countries is forbidden**

44..048 Dimmer for resistive loads

44..048D Dimmer for resistive loads with built-in 2-way switch

- reduced depth

- Dimensions: 1 System 44 module
 - Rated voltage:
 - 44..048: 230V~ - 50Hz or 127V~ - 50Hz
 - 44..048D: 230V~ - 50÷60Hz
 - Type of load: resistive only (incandescent and halogen lamps)(*))
- (*)) do not use the dimmer for:
- fluorescent lamps
 - electronic power units
 - drills
 - air fans
- Adjustable power:
 - 44..048: 100÷500W at 230V~; 60÷300W at 127V~
 - 44..048D: 30÷300W at 230V~
 - Adjustments:
 - 44..048: by rotative potentiometer (rotation of front knob)
 - 44..048D: direct control by built-in 2-way switch (pressure of front knob) and adjustment by rotative potentiometer (rotation of front knob)

• TRIAC technology assuring "low noise". Any slight buzz emitted by the product is inevitable and is due to the presence of the LC filter, as provided by the standard law for radio interference suppression

- Front neon light for easy detection in the dark. The intensity of the neon light decreases as soon as the intensity of the controlled lamps increases. LED ON = voltage presence
- Storage of the preset level of luminosity upon switching the load off

• Installation:

- 44..048: in boxes with 45 mm minimum depth
- 44..048D: even on British round or square boxes (36 mm minimum depth)

• Operating temperature: 0÷35°C

• Standard compliance:

- CEI EN 60669-2-1
- BT directive
- EMC directive

Operation of 44..048D

The front knob is pressed to switch the light on; the luminosity level is obtained by rotating the knob. The front knob is pressed again to switch the light off. The next time the knob is pressed again, the light will switch on again at the preset luminosity level.

NOTE

- Install only one dimmer into the same box
- Do not install two or more dimmers in series
- Never exceed the rated power declared
- Keep the dimmer far from heat sources (ex. Installation near thermostats or chronothermostats)

WIRING DIAGRAMS

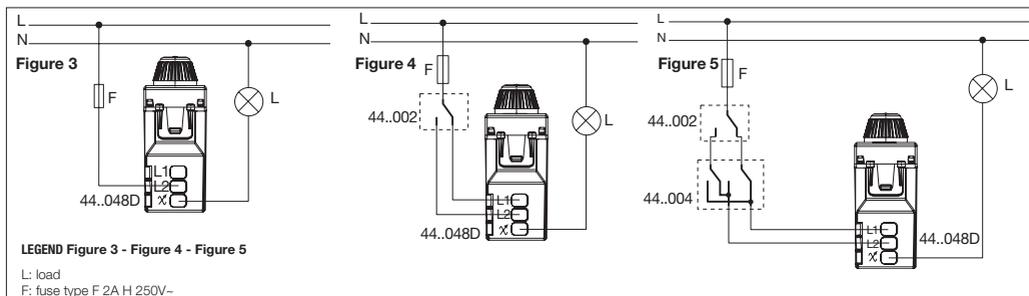
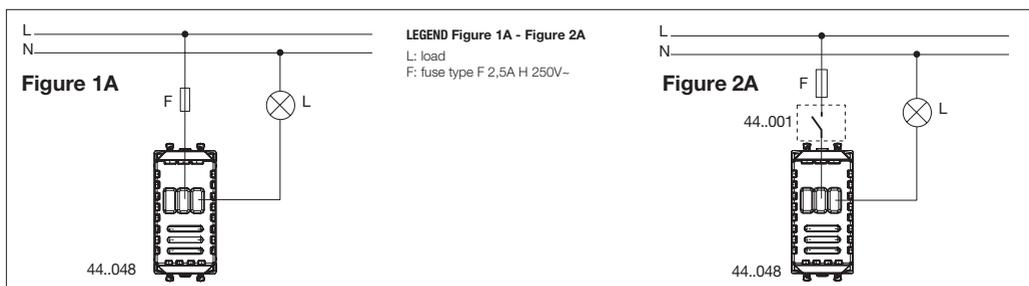
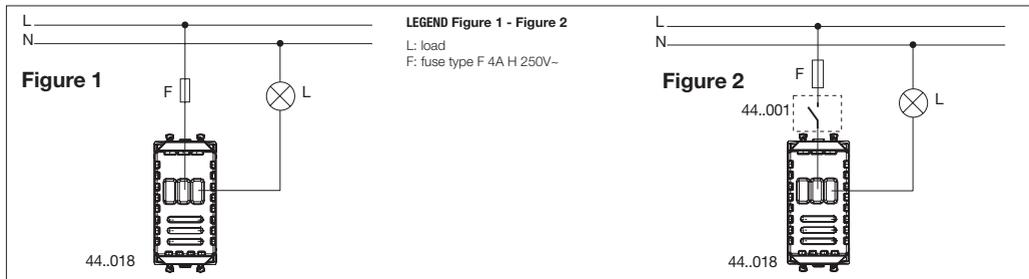
Dimmers must be combined with a fuse holder (ex. 44..007) provided with a fast-action fuse with high breaking capacity, as shown in the diagrams below:

• 44..018 and 44..048

- Light control from a single point: only a dimmer instead of a switch (figure 1 and 1A)
- Light control from 2 points: dimmer + switch (figure 2 and 2A)

• 44..048D

- Light control from a single point: only a dimmer instead of a switch (figure 3)
- Light control from 2 points: dimmer + 2-way switch (figure 4)
- Light control from 3 points: dimmer + 2-way switch + intermediate switch (figure 5)

**IMPORTANT NOTES:**

- Products should be sold in their original packaging. Otherwise, the retailer and/or installer is obliged to follow, as well as to communicate to the user, the instructions for use which are supplied with the product and/or are published on the website www.ave.it as well as in the current product catalog.
- AVE products are installation products
- Products must be installed by trained professionals in compliance with the installation regulations
- Once the product is unpacked, make sure that the appliance is undamaged. Do not use the appliance if there is any doubt, but contact a qualified technician
- Even before unpacking, the appliance should be handled with care and stored in a dry place at temperatures between -5°C and $+40^{\circ}\text{C}$
- Before carrying out any maintenance on the appliance, cut off the mains power
- Special attention should be paid to the preparation of the cable terminals to be inserted into the appliance terminals so as to maintain sufficient isolation distance between contacts
- When tightening the terminal screws, special care should be taken to avoid overheating which could start a fire or damage the cables.
- The product must be used in dry, dust-free areas
- Suitable products must be used in any other conditions
- There is a risk of electric shock or malfunction of the device if not handled properly.
- Install products and accessories according to the prescriptions in the catalogue and the instructions sheet and in compliance with specific standards and rules
- Warranty certificate for a specific product, which specifies the warranty period and conditions in accordance with local regulations, is issued by the seller at the moment of sale of product

The manufacturer's warranty: The 5 year warranty applies only to damaged or malfunctioning products caused by manufacturer's negligence, taking into account the rights and obligations prescribed by law (art. 1490, 1512 C.C., DL 24/2002, Directive 1999/44/CE, art. 1519 C.C.). The defect must be notified within 2 month from the date it was discovered. Five years are intended from the date of delivery of the product to the final customer.

