

GB

## ELECTRONIC TOUCH SWITCH WITH OUTPUT RELAY

### INTRODUCTION

The electronic switch with output relay (code 441001S, 442001S and 443001S) is a control with incorporated touch sensor. It can be controlled locally and from various points with NO buttons. Provided with LED that makes the control visible in the dark

### TECHNICAL SPECIFICATIONS

- Overall dimensions: 1x S44 module
- Protection Degree: IP40
- Terminal board with 4 terminals accessible on the back
- Voltage input: 230 Vac 50 Hz
- Variation allowed: -15% +10%
- Input: 24 mA to 230 Vac (0,6 W)
- Sensitive front area: the entire front of the device (see fig. 1 area A1)
- Output relay with 1 contact on closing (cut off phase)
- Type of switchable loads in alternate current:
  - resistive load ( $\cos\phi 1$ ): 6 A to 250 Vac - 5A to 30 Vcc
  - incandescent load 6A to 250 Vac
  - inductive load ( $\cos\phi 0.4$ ): 6 A to 250 Vac
  - fluorescent load corrected: 6 A to 250 Vac
- Controls:
  - touching gently the frontal plate of the devices (see fig. 1)
  - from various points with touch buttons for remote control (cod. 44..005S) or NO buttons connected to the phase.
- **Status memory: maintains the status of the output relay in case of black-out**
- Front Led (L1) to localize easily the switch in the dark (see fig. 1). When the hand approaches, the LED emits a brighter light.
- Bistable functioning

### INSTALLATION

The switch can be in rectangular, square or Ø 60mm round flush - mounted boxes, as well as installed in a wall or upon a table by using Ave enclosures

### WEATHER CONDITIONS

Working temperature and relative humidity: 25 °C Rel. H 65%  
Operating environment temperature range: from -5 °C to +35 °C  
Maximum relative humidity: 90% at 35 °C  
Max altitude: 2000 a.m.s.l.

### NORM COMPLIANCE

EN 60669-2-1

### CONNECTION DIAGRAM (fig. 2)

**The circuit (L-N) must be protected against overloads by a fuse with high break power or automatic switch with rated current not exceeding 6,3 A**

Figure 1

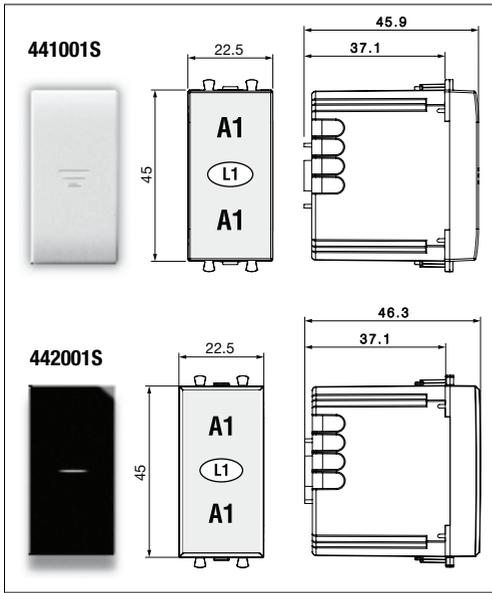
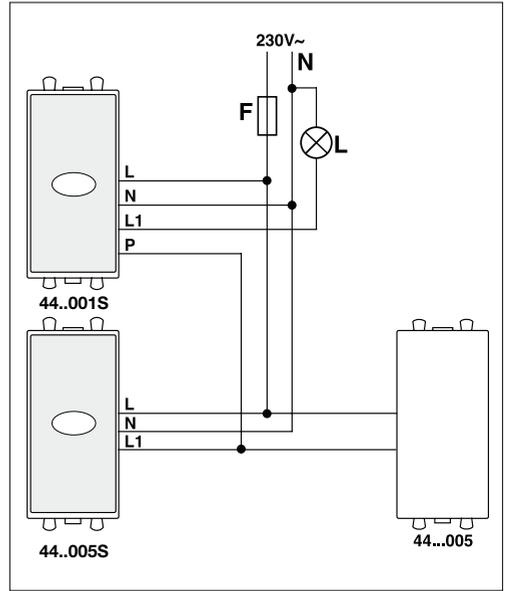


Figure 2



Legend

L: load  
F: fuse type T 6,3A H 250V~

---

*BEFORE INSTALLING SYSTEMS AND AUTOMATION IT IS STRONGLY RECOMMENDED TO ATTEND A TRAINING COURSE AND READ THE INSTRUCTIONS CAREFULLY*

---

#### 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](http://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  $-5^{\circ}\text{C}$  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.