

SWITCHING MODULE WITH CONFIRMATION

AE/SA-SE230

Description

Microprocessed equipment to be used with AGUILERA ELECTRONICA's algorithmic fire detection centrals, manages the communications and control of an output signal and a digital input.

It allows the execution of a maneuver and confirms that it has been performed. Provided with:

- One relay output with voltage-free contacts that executes a maneuver. All three contacts are provided: normally open NA, normally closed NC and common C.
- A digital input, to receive the confirmation signal of the maneuver. Using a selector (SW2), the normally open or closed standby control is selected.

SW2 selector set: In standby the input is closed.

SW2 selector removed: At rest the input is open.

The maneuver must be executed and confirmed in a period of time programmed in the Algorithmic Central

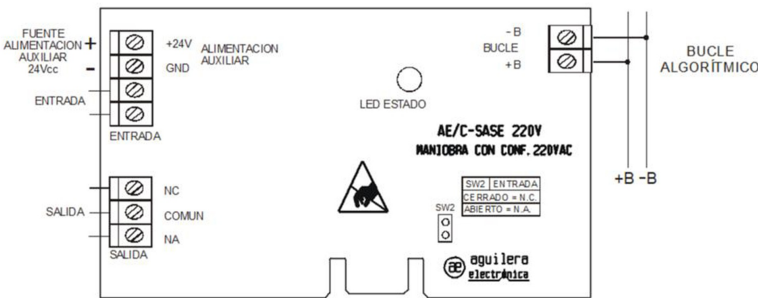
Suitable for maneuvering and fire doors, air conditioning gates and valve opening, in direct voltage and alternating voltage. Requires auxiliary power for output performance.

Include:

- * Function indicator: Indicates its correct operation by flashing red by the status LED. The frequency of the flashes depends on whether the device is at rest or if it has any input activated. If the flashes were annoying in specific cases, they can be inhibited individually.
- * Removable clemas, to facilitate field connection.
- * Protective circuit box that shows the device status LED.
- * Individual identification: Each module is individually identified with a number within the installation loop. This number is stored in EEPROM memory so it is maintained even if the module remains without power for a long time.



Wiring diagram



This module requires 24Vdc supply voltage for output performance.

Mounting

To install the modules, open the cover of the module by means of a pressure in the central part of the module. Fix the module using 4 screws using the fixing holes provided for this purpose.

Cabling

Disconnect the supply voltage from the detection loop before module installation.

- Connect the positive input of the detection loop to the + B terminal.
- Connect the negative input of the detection loop to the - B terminal.

TECHNICAL CHARACTERISTICS:

Supply voltage:	18 ~ 27 V (Algorithmic loop card AE/SA-CTL).
Consumption in standby:	1.89 mA
Consumption in alarm:	1.9 mA (Auxiliary power supply 12mA)
Algorithmic loop wiring:	2 wires. Recommendation section 1.5 mm ² . Removable clamps
Output:	Potential-free contacts. (NA, COMUN, NC)
Relay characteristics:	Maximum resistive load = 8 A 250Vca / 30 Vcc Maximum power supply voltage = 440 Vca / 125 Vcc Maximum switching capacity = 2000VA /240W
Temperature range:	0° - +50° C (room temperature)
Range of water:	Relative humidity 10% - 90% non-condensing
Signal lamp:	Operating tell-tale: flashing red (it can be inhibited)

Housing material:	ABS
Activation:	Flashing red
Dimensions:	105 x 82 x 25 mm
Fixing:	4 holes Ø3.5 mm
Weight:	100 g

CERTIFICATION

0099/CPD/A74/0094

