

SWITCHING MODULE WITH CONFIRMATION

AE/SA-SE

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.

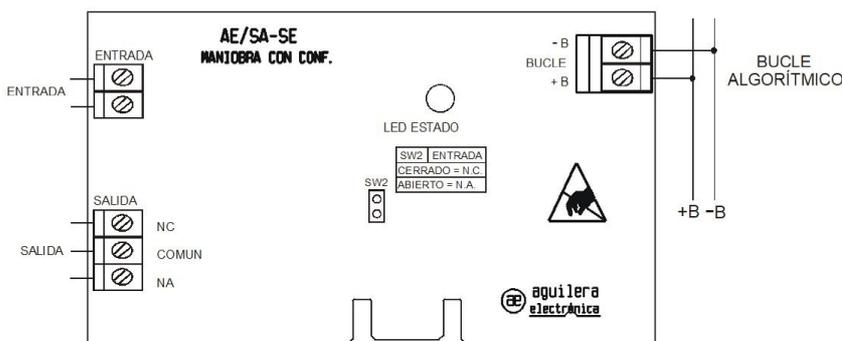
Module designed to perform maneuvers of fire doors, air conditioning gates and valve opening. The maneuver must be executed and confirmed in a period of time programmed in the Algorithmic Central. Indicated to perform continuous voltage maneuvers.

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



ATTENTION: The connection of the relay output of the modules to inductive loads, such as door retainers or air conditioning dampers, must be protected by a diode 1N4001 or similar. The connection of this diode must be made in the same terminals of the coil. If the retainers have an unlock button, the diode must be placed after the button on the coil terminals.

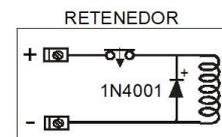
Mounting

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:	1.8 mA
Consumption in alarm:	1.9 mA
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 = 1 A / 30 Vcc - 0.5 A / 125 Vca Maximum power supply voltage = 125 Vcc - 125 Vca Maximum switching capacity = 30 W - 62.5 VA
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 hole Ø3.5 mm
Weight:	100 g

CERTIFICATION

0099/CPD/A74/0094

