# aguilera electronica

# TWO SUPERVISED INPUT MODULE
# AE/SA-2EV

## Description

Microprocessed unit designed to be used with AGUILERA ELECTRONICA's algorithmic fire alarm control panels, manages communications and control of signals from current monitored inputs.

It is possible to customize each input individually, with the type of signal it controls, the location and its change of state (garage extractor activated, emergency exit open, etc.), indicating states of rest, alarm, open line fault and fault per line in short circuit.

The module sends a signal to the Algorithmic Central indicating the change of state of each input.
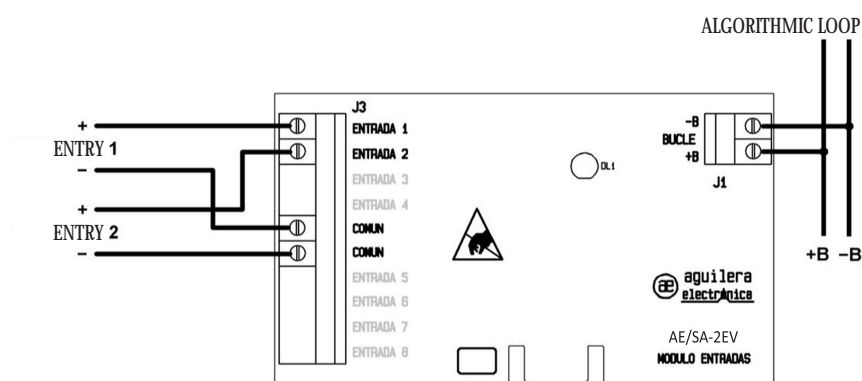
Manufactured according to standard EN 54-18.

It includes:

• 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.

• Circuit protection 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 is without power for a long time.

## Wiring Schematic



### Assembly
For the installation of the modules, open the module cover by pressing on its central part. Secure the module with 4 screws using the fastening holes foreseen for this purpose.

### Wiring
Disconnect the supply voltage of the detection loop before installing the module.
- Connect the positive input of the detection loop to the + B terminal.
- Connect the negative input of the detection loop to the - B terminal.
Wire the necessary inputs as shown in the following schematics.

### TECHNICAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| Power supply voltage: | 20 ~ 27 V (Algorithmic loop card AE/SA-CTL). | Housing material: | ABS |
| Consumption when idle: | 1.4 mA | Signal lamp: | Operating tell-tale: Red flash (can be inhibited) |
| Consumption in alarm state: | 1.6 ~ 1.8 mA | Activation: | Flashing red |
| Consumption shorted: | 2.3 ~ 2.8 mA | Dimensions: | 105 x 82 x 25 mm |
| Algorithmic loop wiring : | 2-wire. Recommended cross-section 1.5 mm2 Removable jacks for all connections | Fixing: | 4 holes Ø3.5 mm |
| | | Weight: | 100 g |
| Inputs: | Current supervised Input with end of line resistance | | |
| End of line resistance: | 47K (yelow – violet – orange) | | |
| Alarm resistance: | 18K (black – grey – orange) | | |
| Temperature range: | 0º - +50º C (room temperature) | | |
| Humidity range: | Relative humidity 10% - 90% non-condensing | | |

**CERTIFICATION**

0099/CPD/A74/0094

CPR

CE

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