EIGHT INPUT MODULE

AE/SA-8E

Description

Microprocessor-based units designed to be used with the algorithmic fire detection panels of AGUILERA ELECTRONICA to manage communications and monitor voltage-free input signals.

The operation of each input (NO or NC) can be selected by open contact or closed contact in idle mode, by programming in the personalization of the installation.

It is also possible to personalize each input individually, with the type of signal it controls, the location and the state change (garage extractor activated, emergency exit open, etc.)

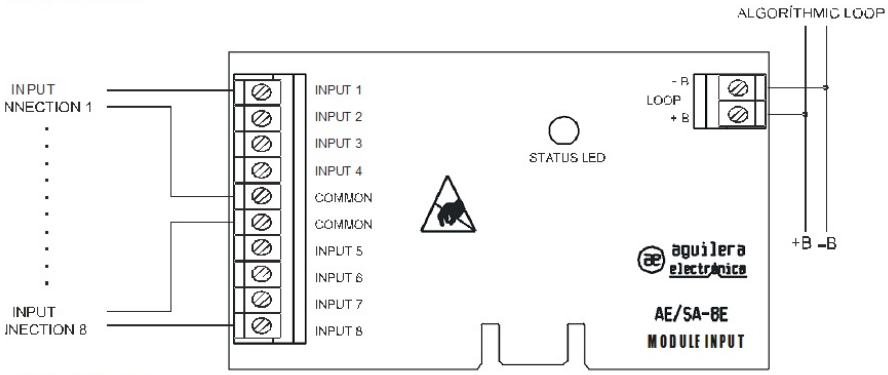
The module sends a signal to the Algorithmic Panel indicating the change of state of each input.

Fabricated according to the standard prEN 54-18:2005.

It includes:

* Operation pilot: It indicates it is operating correctly, giving red-colored flashes through the status LED. The flashing frequency depends on whether the equipment in idle or has an input activated. If the flashing is annoying in particular cases, it can be inhibited individually.
* Removable jacks, to facilitate connection in the field.
* The circuit's protective case leaves the status LED of the unit visible.
* Individual identification: Each module is identified individually with a number inside the installation loop. This number is stored in EEPROM memory whereby it is kept even though the module is without power for a long period.

Wiring Schematic



Module AE/SA-8E

Once the connections have been made, close the module, taking care that the status LED remains visible.

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:	18 ~27 V (AE/SA-CTL Algorithmic loop card).
Consumption when idle:	1.1 mA
Consumption in alarm state:	1.3 (8 inputs activated)
Algorithmic loop wiring	2-wire. Recommended cross-section 1.5 mm2
	Removable jacks for all connections
Inputs:	Voltage-free contacts.
	Programmable for open or closed contact
Temperature range:	0º - +50º C (ambient temperature)
Humidity range:	Relative humidity 10% - 90% without condensation.
Casing material:	ABS

Luminous indicator: Operation pilot: Red flashing (can be inhibited).

Activation:	Red intermittent
Size:	105 x 82 x 25 mm
Fastening:	4 holes, diam. 3.5 mm
Weight:	100 g.

CERTIFICATION

0099/CPD/A74/0094

CERTIFICADOS SEGÚN CPR CE