

## TWO SUPERVISED OUTPUT MODULE

### AE/SA-2SV

#### Description

Units with microprocessor designed to be used with the algorithmic fire detection panels of AGUILERA ELECTRONICA, manage communications and monitor output signals.

Each output can be personalized in the Algorithmic Panel with the name of the location and the operation it performs (except in the AE/SA-32S module), and programmed to act with alarms or events in different pieces of plant equipment.

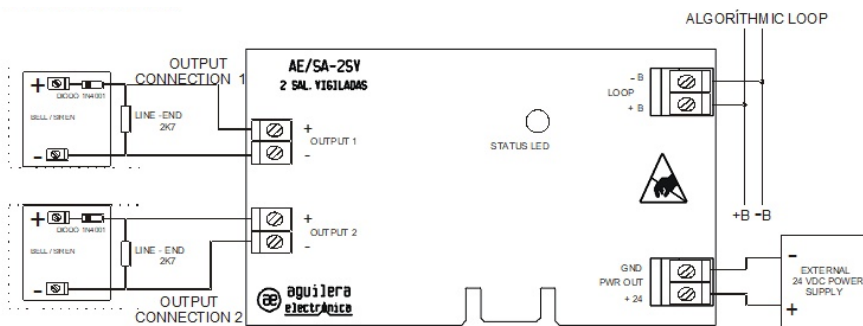
Module that manages the control of two relay outputs at a voltage of 24Vdc and require supervision of the connection. It requires an auxiliary power supply for output actuation.



They include:

- \* 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 a nuisance 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



This module requires an auxiliary power supply of 24 Vdc for output actuation.

#### 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.

#### TECHNICAL CHARACTERISTICS

Power supply voltage:	18 ~27 V (AE/SA-CTL Algorithmic loop card).
Consumption when idle:	1.1 mA (auxiliary feed 13 mA)
Consumption in alarm state:	1.7 mA (auxiliary feed 28 mA)
Algorithmic loop wiring	2-wire. Recommended cross-section 1.5 mm <sup>2</sup> Removable jacks for all connections
Outputs:	+24 Vdc (1 A max.)
Relay characteristics:	Maximum resistive load = 1 A / 30 Vdc - 0.5 A / 125 Vac Maximum switching voltage = 125 Vdc - 125 Vac Maximum switching power = 30 W - 125 VA
Temperature range:	0° - +50° C (ambient temperature)
Humidity range:	Relative humidity 10% - 90% without condensation.
Luminous indicator:	Operation pilot: Red flash (can be inhibited).

Casing material:	ABS
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

