

## ALGORITHM CENTRAL WITH 1 LOOP

### AE/SA-C1

#### Description

Algorithmic analog microprocessed control unit, manufactured by AGUILERA ELECTRÓNICA according to European standards UNE-EN 54-2 and UNE-EN 54-4, with a wide operating capacity that allows it to individually control all the equipment that makes up the fire detection facilities.

Formed by:


- An algorithmic loop of 125 devices each, to which the detectors, push buttons, maneuvering and control modules and other elements that make up the installation are connected.
- Allows the connection of CLASS A loops: closed loop with independent input and output isolators; and CLASS B loops: open loop with output isolator.
- 27.2 Vdc 4 A switching power supply
- Emergency battery charger. Capacity to house two 12V / 7 Ah batteries.
- CPU module, where the installation is customized, the output maneuvers are programmed and the information is managed.

CPU Features:

- Non-volatile event memory, capacity for 4000 events.
- Real time clock.
- Complete control of the operation of all the equipment of the installation in a programmed or manual way: rearms, repositioning, levels, connection / disconnection of points, activation / deactivation of evacuations, closing of doors and fire dampers.
- Programming of delays according to the UNE EN54-2 standard.
- DAY / NIGHT modes automatically configurable through a programmable calendar.
- Fire brigade warning output with programmable activation times: Recognition time and investigation time, according to the NEN2535 standard.
- Built-in test and test modes for each zone.
- It allows several working languages.
- Comprehensive management of historical lists between two dates and status of the zones.
- 240x64 dots graphic display.
- Control keyboard.



- Light indicators and local acoustic warning, for presentation of general status of service, alarm, fault, disconnection, test, power supply and status of evacuation maneuvers and others.
- Built-in evacuation outputs (monitored exit), alarm (firefighters), pre-alarm and breakdown.
- 2 user-selectable RS232 or RS485 interface serial communications ports.
- 1 RS485 interface serial communications port with optional ARCNET protocol to work with Aguilera's AE2NET network.
- Built-in serial printer port.
- Optional TCP network port, via AE / SA-TCPC1 card, for integration into Ethernet networks.

TECHNICAL CHARACTERISTICS		PHYSICAL CHARACTERISTICS:	
Operating ranges:		Dimensions:	
Temperature	0 ° to 49 ° C	Width:	320 mm.
Relative humidity	85% without condensation.	Height:	280 mm.
Feeding:		Depth:	123 mm.
Mains Voltage	230 Vac 50Hz	Weight:	
Power max. consumed:	75W	Without batteries	4,5Kg
Power Supply Voltage:	28.2Vdc	With batteries	9.5 Kg
Maximum current supplied	2.4 A	Material:	AP 011 laminated sheet
Protection	2A Fuse	Color:	RAL9002
Recommended cable:	H05 VV-F 3 X 1.5mm2	<b>CERTIFICATIONS</b>	
Batteries:		0099/CPD/A74/0159	
Battery type:	Sealed lead-acid rechargeable.		
Capacity in the cabinet:	2 12V / 7Ah batteries		
Battery charger voltage:	27.3Vdc		
Maximum battery charger current:	0.35A		
Protection	Fuse 3A (battery operation)		
Auxiliary power output:			
Voltage	27.2 Vdc		
Corriente máxima salida auxiliar:	1A		
Protection	Fuse 1A		