

8, 12 AND 16 ZONE CENTRAL UNIT IN MODULAR BOX AE/C5-8-16

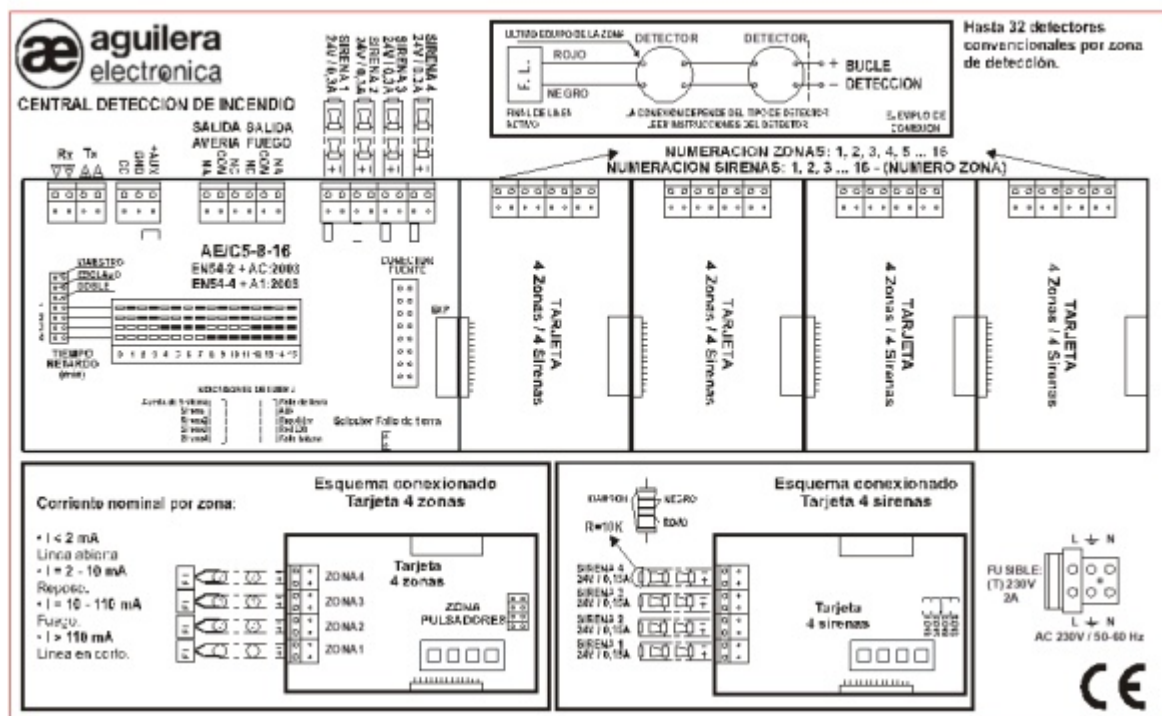
Description

The AE / C5-8-16 Control Panel is a conventional microprocessed fire detection control panel, designed in accordance with the requirements of the EN54 standards. The Central provides tracking and fire information for up to 16 different zones, depending on the configuration of the installation.

Central AE / C5-8-16 must be installed in accordance with the Mandatory Fire Detection System Installation Standards. The power supply to the Central must be isolated and cannot be accidentally disconnected. The power connection box must be clearly marked with the FIRE ALARM label - DO NOT DISCONNECT.



Wiring diagram



CARACTERÍSTICAS TÉCNICAS

Max. detectors per zone:	32 consumption detectors <200 µA at rest. Unlimited number of buttons.
Thresholds for zone conditions:	
0 ÷ 2 mA	Open circuit fault.
2 mA ÷ 10 mA	Standby.
10 mA ÷ 110 mA	Alarm.
> 110 mA	Short circuit fault.
Power supply:	
Mains supply:	~ 230V AC ± 10%, Fuse 2A, Type F.
Auxiliary power:	1 Sealed lead-acid rechargeable battery 12 V / 18 Ah
Dimensions:	167 mm x 181 mm x 76 mm
Output voltage:	UCARGA = 13.8 V
Output current:	IMAX = 2 A
Battery connection:	Faston Ø5 mm
230 V consumption (normal work and battery at full charge):	
For 4 zones (1 card of 4 zones)	2.1 VA
For 16 zones (4 cards of 4 Zones)	4.2 VA
Battery consumption due to mains power failure, in normal working mode:	
For 4 zones	130 mA
For 16 zones	260 mA
Battery consumption in fire alarm:	
For 4 zones. Fire in zone 1:	330 mA
For 16 zones Fire in 4 zones:	720 mA



Departures:

Siren circuits SND1 ÷ SND4 +24 V / 0.3 A
(included in the control card) Fuse, self-resetting (PTC)
Siren circuits SND1 ÷ SND4 +24 V / 0.15 A
(Card with 4 output zones) Fuse, self-resetting (PTC)

Breakdown relay, voltage free contacts

* +12 V / 1 A or 24 V / 0.5A UMAX = 125 V; IMAX = 2 A

Fire Relay, voltage free contacts

* +12 V / 1 A or 24 V / 0.5 A UMAX = 125 V; IMAX = 2 A

* Note: These functions should not be used to comply with some "Options with requirements" as specified in EN54-2.

Auxiliary output +24 V DC / 0.3 A

Fuse, self-resetting (PTC)

Network power wiring:

Recommended cable cross section 1.5 mm²

Maximum cable diameter Ø2.5 mm

Environmental conditions:

Working temperature -5 °C / +50 °C

Storage temperature -20 °C / +60 °C

Humidity Up to 93% (no condensation)