

AW-GEC2169 extinguishing control panel is designed in compliance with the requirements of European standards of EN54-2, EN54-4 and EN12094-1. This panel can be used in HFC-227ea, CO2, IG541, FK-5-1-12 and any other agent fire extinguishing systems including gas, water, foam and so on.

Executed clause of standards:

EN54-2 Fire detection and fire alarm systems part 2: control and indicating equipment

EN54-4 Fire detection and fire alarm systems part 4: power supply equipment

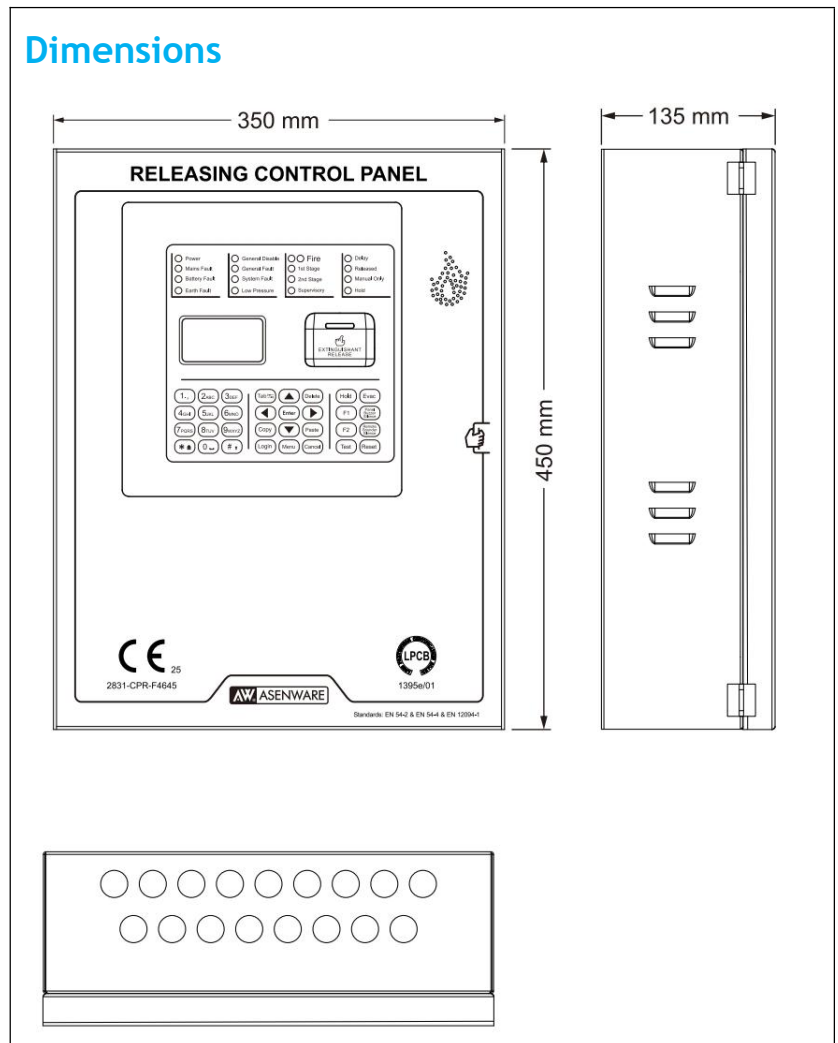
EN12094-1 Fixed firefighting systems - Components for gas extinguishing systems - Part 1: Requirements and test methods for electrical automatic control and delay devices



Features

- ✓ Elegant control panel with reliable microprocessor.
- ✓ Metal cabinet with visible glass window.
- ✓ Comply with EN 12094-1:2003, EN 54-2:1997+A1:2006& EN54-4:1997+A1:2002 + A2:2006.
- ✓ 220VAC power and standby battery power can be switched automatically..
- ✓ Indications for fire, fault, releasing and supervisory signal
- ✓ Four alarm zones, each zone supports 20 detectors.
- ✓ Circuit fault output / alarm output / fire extinguishing signal output/ 24VDC output other parts working condition
- ✓ Manually disable the panel functions and zone devices
- ✓ Manually silence the sounder alarm and panel buzzer.

Dimensions



Technical Specification

AC input	110~230VAC 50Hz
DC output from power board	24VDC (19V-28V) and 5VDC (4.9V-5.1V)
Voltage for MCU	5V for power board MCU, 3.3V for other MCU
Current at 24VDC from PSE	<450mA standby current
Maximum current from PSE	1.4A (except batteries charge current)
Batteries discharge current	1.85A maximum, current-limited
Auxiliary power output	24VDC, 200mA max, current limited
Agent release delay time	Adjustable 0 to 60 seconds (5 seconds steps)
I_{min}, I_{max.a} and I_{max.b} according to EN54-4	I _{min} =340mA, I _{max.a} =424mA, I _{max.b} =1.4A
Batteries	Two 12V maintenance-free lead-acid batteries series connection. (Optional 2.3Ah and 7Ah)
Battery replace resistance	1.6Ω±10% if needed
Battery low-voltage protection	21VDC
The maximum and minimum rated voltage for each input and output	Detector zone: 15.2V-28V Sounder :18-28V Fire protection/Fire routing: 18-28V Fault routing: 18-28V Supervisory: 18V~28V
Supervisory input	NO-COM dry contact signal
Maximum number of detector per CIE	20 pieces
Max detector numbers per CIE	20*4=80 pieces
Zone alarm current	6-27mA
Maximum output current of alarm terminal	200mA maximum
Fault circuit current	50mA maximum to each terminal
EOL resistors for zone input and output (except main power supply)	6.8KΩ/1W
Fuse on power board	3A/ 250V Glass tube fuse 5*20(mm), low blow
Fuses on interface board	1A /250V Glass tube fuse 5*20(mm), slow blow
Work environment	Temperature range: -5 to 50°C (23~122°F) Humidity: 5 to 95% RH, non-condensing
Terminal blocks rating	All terminals are rated for 12 to18 AWG (0.75 to 2.5 mm ²)
The wire between interface board (Panel) and detector (recommended)	2-core shielded cable for 12 to18 AWG (0.75 to 2.5 mm ²)
Panel dimension	(L) 350mm *(W) 450mm*(H)135mm