

GST-301

Extinguishing Control Panel



Description

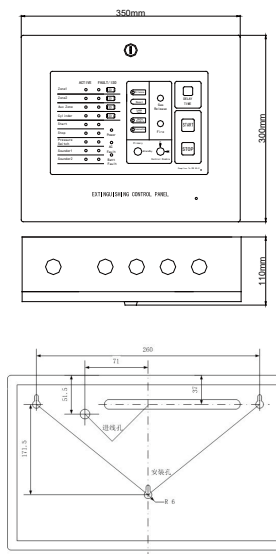
GST301 Extinguishing Control Panel is a stand-alone panel intended for use with gas extinguishing systems. The function of the panel is to monitor zones or areas for fire conditions and give an appropriate audible/visible indication. The panel also provides a facility to initiate the gas release, both manually and automatically. With 2 detection zones, the panel can achieve double-knock function. The Emergency Gas Override Control provides field control of emergency start and abort.

Features and Benefits

- 2 detection zones to carry out double knock release control
- 1 auxiliary zone for usual fire detection
- All lines monitored for open/short circuit
- Easy to shift between primary and standby release outputs
- Individual disable button for zones for easy operation
- Counting down timer display
- Adjustable delay timer and release output period
- Build-in charger and power supply

Installation Data

The GST301 Extinguishing Control Panel is wall-mount type. Its appearance and the mounting holes are shown here.

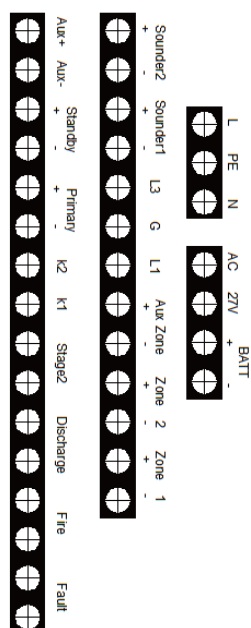


Cable Requirement

* All cables should be fire rated and follow local codes.
 Zone: Minimum 1.0mm², ideally 1.5mm², 1000 meters
 Cylinder: Minimum 1.5mm², ideally 2.5mm², 200 meters
 Active Output: Minimum 1.0mm², ideally 1.5mm²

IMPORTANT: This publication is a generic version in which product information is shown for informational purposes only and does not constitute a specific commitment or guarantee. We are constantly pursuing the improvement of product technology to improve product performance, for which we reserve the right to adjust the configuration and technical information of the related products without notice. In addition, the description of system performance in this publication applies only to the usual situation. As a result, there may be a variety of unpredictable special circumstances in the real world, so the realization of the relevant product performance will depend on the professional investigation and analysis and the design plan. Please contact us and we will be happy to provide you with professional advice.

Terminals



L, N: 220/230VAC input

PE: GND terminal

BATT+, -: Battery input

AC, 27V: 27VAC input from transformer

Sounder 2 +, - / Sounder 1 +, -: Sounder outputs connecting with Audio / Visual devices. 24VDC active output, can be set to NO/NC type.

L3, G, L1: Emergency start/abort terminal connecting with C-9317.

Aux Zone +, -: Auxiliary detection zone connecting with conventional detectors and manual call points.

Zone 2 +, - / Zone 1 +, -: Release control zones connecting with conventional detectors.

Aux +, Aux -: Aux power supply (100mA/24VDC).

Standby +, - / Primary +, -: Gas release outputs connecting with primary and standby cylinder. 24VDC active output can be set to NO/NC type.

K2, K1: Pressure switch input connecting with cylinder pressure switch. Dry contact input.

Stage 2: Pre-release remote output, NO dry contact

Discharge: Gas discharge remote indication output, NO/NC dry contact

Fire: Fire remote indication output, NO/NC dry contact

Fault: Fault remote indication output, NO/NC dry contact

Technical Specification

Primary Supply	220/230VAC, 50/60Hz
Standby Power	7AH/24VDC
Zone Quantity	2+1
Zone Capacity	15 detectors
Output current	AUX Power: 100mA Souder Output: 500mA Release Output: 2.0A
Delay time	0-90s, step @10s
Cylinder pulse	2-45s
Protection	IP30
Operating Environment	0°C ~ +40°C ≤95%, non condensing
Dimensions	300mm(W)x350mm(H)x110mm(D)

Order Information

Part No.	GST301
Device Name	Extinguishing Control Paneltor
Product No.	10100640

Variant Models

Part No.	Product No.	Property
GST301	10102905	Portuguese Model

Compatible Devices

C-9317 Emergency Gas Override Control
 C-9318 Gas Extinguishing Warning Indicator
 C Series Conventional Detector
 DC Series Conventional Detector
 DC-9204E Conventional Manual Call Point
 C-9403 Conventional Sounder Strobe
 C-9404 Conventional Sounder