# GST102A

## Conventional Fire Alarm Control Panel

### General

The GST102A is compatible with GST conventional detectors, manual call points and sounders. The panel is easy to install and operate. Control functions are enabled by key switch whilst programming functions are enabled by key switch in combination with an internal switch.

### Installation

The GST102A may be wall or flush-mounted.




### Details

- 2 Detection zones
- Each zone can support up to 15 conventional detectors or 32 manual call points, to a combined total of 32 devices.
- Short and open circuit reporting of detection zones, sounder and alarm outputs
- Space provided inside the CIE cabinet for 2 SLA batteries for standby support
- Easy enable/disable operation for zones, sounder and alarm outputs
- Alarm test function selectable with or without sounder notification
- Programmable output for linking zones and sounder outputs, alert or evacuate tone, with or without delay
- Day/Night mode selectable
- Silence/Reset/Test modes selectable to local requirements
- Three access levels configurable via key control
- Reserved multi zone repeater interface for fire alarm indications

# GST102A
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## Technical specifications

### General

| | |
|---|---|
| Connectivity | Hardwired repeater |
| Maximum system capacity (device count) | up to 64 |
| Cable rating | 0.5 mm (max) |

### Electrical

| | |
|---|---|
| Power supply type | 220/230 VAC |
| Operating voltage | 230 VAC, +10%/-15%, 50/60Hz |

### Loop

| | |
|---|---|
| Maximum loop capacity | 2 |

### Zone

| | |
|---|---|
| Maximum zone capacity | up to 2 |
| Quantity of devices per zone | 15 detectors / 32 MCPs |
| Cable rating | 1.0 to 1.5 mm² (1000 m max) |
| End-of-line | Active |
| | Passive (4.7 kΩ, ½W) |

### Input

| | |
|---|---|
| Input quantity | 4 |
| Input type and rating | Unsupervised NO, Cable type: 0.5 mm² (min.) |
| Programmable | No |

### Output

| | |
|---|---|
| Output type and rating | Cable type: 1.0 mm² to 1.5 mm² (1000 m max) |
| Fire alarm signalling | 1, 300 mA @ 24 VDC or NO/NC |
| Fault signalling | 1, NO/COM/NC, 1 A @ 24 VDC |
| Notification | 2, 300 mA @ 24 VDC or NO/NC |
| Auxilliary power | < 500 mA @ 24 VDC |
| Programmable | Yes |
| Termination | 4.7 kΩ, 0.5 W |

### Standby battery

| | |
|---|---|
| Capacity | 7 Ah |
| Batteries supported in housing | 2 x 12 VDC |

### Physical

| | |
|---|---|
| Form factor | Small |
| Physical dimensions | 380 x 320 x 103 mm (W x H x D) |
| Colour | Black |
| Mounting type | Surface mount, Wall mount |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Operating temperature | 0 to 40°C |
| Relative humidity | 0 to 95% noncondensing |
| Environment | Indoor |
| IP rating | IP30 |

### Regulatory

| | |
|---|---|
| Compliancy | CE |
| Certification | EN54-2, EN54-4 |
| Standards | LPCB |

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