



**GST500**

## Description

GST500 is an automatic addressable fire alarm control panel. It is designed according to European Standards (EN Standards): EN54-2.

Each loop of GST500 has maximum 242 device addresses.

GST500/2 has two device loops with maximum 480 fire alarm devices.

GST500/4 has four device loops with maximum 700 fire alarm devices.

Up to 32 of GST500 may be linked together to form a large network for an area where requests more than 700 fire alarm devices. The RS485 communication protocol is employed in the GST500 fire alarm network.

GST500 panel is equipped with large color LCD screen that can display 12 line of messages.

Besides the LCD screen, GST500 has dedicated 23-key keypad and LED indicators for the operation. A four digit LED display shows clock of the system.

The programming of the fire alarm system is done with a computer and software through RS232 interface.

GST500 may equip with optional printer to print out the event of the system.

GST500 equips with a direct manual control/indication board which is programmable and can be used to controls a device, or to indicate the status of a device.

Besides the sounders in its addressable loop, GST500 has 3 hardwired supervisory output circuit for the sounder, general fire alarm and fire protection equipment. There is also one passive contact output for the general fault alarm output.

A 12-key fireman's control panel is available as option, which can be used to control the fire extinguish equipment automatically or manually.

Remote graphic annunciator GST8903 can be linked to GST500 via RS485 interface to indicate the geographic location for the fire alarm.

Remote repeater GST852RP can be linked to GST500 via RS485 interface to display the fire alarm messages in text.

Computer with graphic annunciator software can be linked to GST500 via RS232 interface to display the geographic location for the fire alarm.

Support conventional fire alarm detectors and sounders via GST functional modules

Support class A and class B loop wiring. fault alarm output.

## Specification

- GST500/2: two loops with maximum 480 addressable devices
- GST500/2A: GST500/2 with 6 fireman's control switches.
- GST500/4: four loops with maximum 700 addressable devices
- GST500/4A: GST500/4 with 12 fireman's control switches.
- Loop capacity: 242 addresses
- Maximum loop cable length in class B: 1500 m.
- 64 manual control key or device indicator.
- On panel printer.
- 3 hardwired and supervised 24Vdc output, for sounder, fire alarm, fire protection equipment.
- 1 hardwired fault output, passive NO. contact.
- Fireman's control switch: 12 (optional).
- Color LCD screen: 320 x 240 pixels, 12 text lines
- RS485 port for repeater or graphic annunciator: maximum 64 repeater or graphic annunciator.
- Optional RS485 port for fire alarm network.
- Network capacity: 32 GST fire alarm panels.
- Optional RS232 port for programming
- Power supply: 220 Vac 50 Hz
- Power consumption: 50 W
- Internal backup battery: 2 x 12Vdc 7Ah sealed lead battery.
- Operating temperature: 0°C~40°C
- Relative humidity: <95%
- Dimensions: 500 mm x 700 mm x 170 mm