



# Fire Detection & Alarm System

GB50116-2013 One-stop Fire Solutions

## Emergency Voice Evacuation System

### GST-MP3-EN MP3 Recording & Playing Panel



- Emergency broadcast content can be edited and produced on the computer
- Supports both MP3 and WMA for high sound quality
- The emergency broadcast space up to 6 minutes of CD-level file space (10MB)
- Up to 999 Recording segments
- Two-color LED backlight and turns into red for emergency broadcast
- 2U standard for plug-in racks, 88.1" 482.6"155mm

### HY6251 Ceiling Mount Speaker HY6251 (M) Surface mount associate for HY6251

- 3W



### GST-GF 300W Power Amplifier



- Emergency Broadcasts automatically as fire alarm device is activated
- Manual control and auto-control selectable Self-test function
- Auto-adjust the audio output when receiving emergency broadcasting signal
- Main power and standby power switchable while the main power is priority
- Power amplifier fault can be reported to other devices

### HY6253 Wall Mount Speaker



- 3W

### GST-LD-8305A Speaker Monitoring Module



- Electronically addressed by programmer
- Switch between normal and fire broadcast, each bears 180W

## Emergency Fire Phone System

### GST-TS-Z01A Loop Type Fire Phone Panel



- 2U form Plug-in structure
- Up to 512 lines of fire telephone and 51200 telephone jack in RJ11 head
- Connect with telephone jack or fire telephone to buildup a communication system
- Automatically record the conversation for later analysis
- "Audio Output" jack to form a telephone broadcasting system
- Aesthetical appearance, and easy for operation
- Special telephone chip ensures stable operation and clear voice

### P-9912(A) Fixed FT Handset P-9912(B) Mobile FT Handset



- Call fire telephone panel when it is picked up
- Confirm fire quickly RJ11 cable head

### I-9304 Emergency Telephone Module



- Provide a socket to connect with fire telephone
- Processing the signals through built-in microprocessor.
- One address can be modified through a programmer or FACP
- Cable checking
- RJ11 plug-in structure for simple installation

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## Conventional Fire Alarm System

### JTFB-GOF-GST601 Conventional Combination Optical Smoke and Heat Detector



- Integrated algorithm for analyzing both smoke and temperature with high sensitivity
- Unique chamber design well protected from insects, dust and light interference
- Removable sensing chamber, easy for maintenance

### JTWB-ZCD-G1(A) Conventional Heat Detector



- With high sensivity heat sensor to promptly and precisely detect the change of environmental temperature
- Rate of rise and fixed temperature alarm mode
- Auto-diagnostic and drift-compensation Class-A1R or Class-BS settable at sites with programmer

### JTY-HM-GST103/JTY-HF-GST102E Reflective Beam Detector



- Combination of the emitting and receiving part
- Built-in microprocessor for intelligent judgment of fire alarm and fault
- Auto-diagnostic function can monitor the internal fault
- Drift compensation for certain of dust accumulation, positional excursion and aging transmitter
- Three sensitivity levels can be set in field
- Both addressable and conventional models are available

### JTY-GF-GST104 Conventional Optical Smoke Detector



- Unique chamber design protected from insects, dust and light interference
- Auto-diagnostic and drift-compensation
- Removable sensing chamber, easy for maintenance

### DZ-03 Common Detector Base



- Compatible with JTFB-GOF-GST601, JTY-GF-104, JTWB-ZCD-G1(A) Detectors

### GST-HX-200A Conventional Sounder and Strobe



- Two parts with base mounted termination allows easy installation
- 2 selectable alarm tones
- Strobe provided by high intensity LED cluster

## Waterproof High IP Protection Devices

### GST-HX-321B/W-EN Waterproof Multi-Functions Sounder and Strobe



- Waterproof Multi-Functions Sounder and Strobe
- Addressable or conventional mode
- Sounder and/or strobe for choices
- Two selectable tones
- Two-part plug-in structure
- LED light, long life, low consumption
- Buzzer monitoring
- High Ingress Protection 65

### JTY-GD-G3T (IP) Waterproof Intelligent Optical Smoke Detector



- Electrically addressed by programmer
- Self-diagnostic and Drift compensation
- Fire LED allows 360° viewing
- Removable sensing chamber, easy for maintenance
- High Ingress Protection 54

### JTW-ZCD-G3N (IP) Waterproof Intelligent RR or FT Heat Detector



- Single chip MCU with A/D conversion
- Electrically addressed by programmer
- Class-A1R or BS, programmable at site
- High Ingress Protection 54

### DZ-02 (IP) Waterproof Common Base



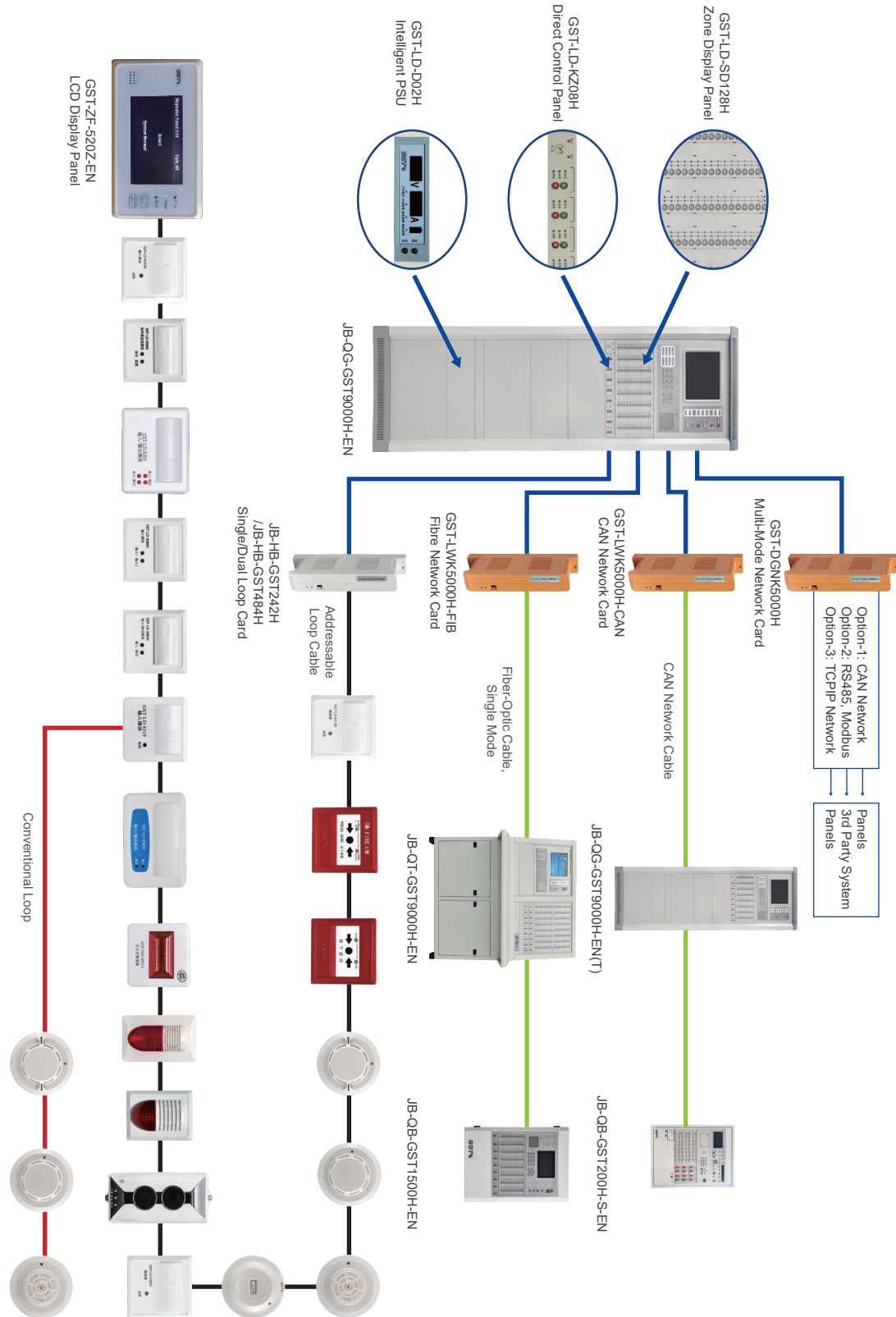
- Common Detector Base for JTY-GD-G3T(IP), JTW-ZCD-G3N(IP)
- Associated with waterproof detectors to realize high IP54

### J-SAM-GST9221B/W Waterproof Manual Call Point



- Electronically addressed by programmer
- Resettable by a special key
- Sealed internal structure, and the external wire is sealed after wiring, convenient for installation and wiring
- High Ingress Protection 67

## System Diagram



- Multiple Networking Options with Max. 240 panels
- External 24VDC Power Supply maybe required by some devices

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## Parent Company Carrier

GST's parent company, Carrier, is an outstanding global provider of healthy, safe, sustainable and intelligent building and cold chain solutions with a diverse workforce, headquartered in Florida, USA. With more than a century of expertise, we drive innovation while putting our customers first, helping protect our planet, and inspiring and empowering our people. Through our performance-driven culture, we are driving share-owner value by growing sales and investing strategically to strengthen our position in the markets we serve.

Our Fire & Security business encompasses a wide range of residential, commercial and industrial systems, including fire and carbon monoxide detection, alarm signaling, incident management, evacuation, monitoring; fire, gas and water mist suppression, fire and gas safety solutions and industrial equipment controls. Our security business offers access control and event monitoring, electronic locks, hospitality solutions, mobile apps and credentialing, real estate access solutions, remote access management, video management and video analytics.

## Gulf Security Technology Co., Ltd. (GST)

Gulf Security Technology Co., Ltd, GST, is a key player in the Asia fire and security industry and a trusted provider of comprehensive fire system solutions around the world. It is a subsidiary of Carrier (Carrier Global Corporation), an outstanding global provider of healthy, safe, sustainable and intelligent building and cold chain solutions with a diverse workforce.

GST provides a wide range of fire products and customized fire system solutions tailored to the needs of different industries. With a sales infrastructure that covers many countries and regions, and includes a China-wide network of more than 150 sales offices and several logistics centers, GST has become an important part of Carrier's global business.

To satisfy the needs of its global customer base, GST has established extensive R&D facilities in Beijing and Qinhuangdao in northern China. It constantly strives to develop innovative new technologies and products. GST's factory in Qinhuangdao is a large manufacturing base producing intelligent electronic products that incorporate innovative technology. To ensure superior product quality, it has advanced manufacturing and inspection equipment and strong capabilities in quality control and process management.

GST has earned a range of national and international certificates of conformity to standards such as China's CCC, the international UL, the global LPCB, Europe's CE, etc.

## Intelligent Addressable Fire Alarm System

### JB-QB-GST200H-S-EN JB-QB-GST200H2-S-EN Intelligent Fire Alarm Control Panel



- Wall mount
- Panel capacity 1-2 loops
- Each loop 242 addresses
- Graphic color display, intuitive operation
- Commissioning through panel or PC
- RS232, RS485 port for connection with GMC or networking
- Password and key-protected, nonvolatile memory
- Report duplicated address
- RS232, RS485 port for connection with GMC or networking
- CAN/Fiber Networking options with Max. 240

### JB-QB-GST1500H-EN Intelligent Fire Alarm Control Panel



- Wall mount
- Password and key-protected, nonvolatile memory
- Friendly interface with multiple information display in different colours and individual windows
- Panel capacity 6 loops and 1452 addresses
- Report duplicated address
- Individual manual control panels to control output devices
- Direct control panel output to critical fire fighting equipment via direct line connection
- CAN/Fiber Networking options with Max. 240 panels

### JB-QG-GST9000H-EN JB-QG-GST9000H-EN(T) Intelligent Fire Alarm Control Panel



- 19" Rack, Console upon request
- Capacity 20 loops
- Extend to 30 loops with optional CS-9000H Up to 60 loops upon request
- Each loop 242 addresses
- Graphic color display, intuitive operation
- Flexible modular structure, multiple function configuration options
- Commissioning through panel or PC
- RS232, RS485 port for connection with GMC or networking
- Password and key-protected, nonvolatile memory
- Report duplicated address
- Individual manual control panels to control output devices
- Direct control panel output to critical fire fighting equipment via direct line connection
- RS232, RS485 port for connection with GMC or networking
- CAN/Fiber Networking options with Max. 240
- 9000H-EN(T) is loaded with a touch screen

### JB-HB-GST242H Single Loop Card JB-HB-GST484H Dual-Loop Card



- JB-QB-GST1500H-EN and JB-QT-GST9000H-EN Compatible
- Up to 700mA loop load
- Total 242 addresses per loop and with both Single and Dual loop options
- With USB port, easy for update
- With loop isolation and temperature supervisory
- Modularized for easy installation

### GST-LWK5000H-CAN CAN Network Card GST-LWK5000H-FIB Fiber Network Card



- JB-QB-GST1500H-EN and JB-QT-GST9000H-EN Compatible
- Communication Distance:  
CAN: 3KM  
Fibre: 25KM
- Node Capacity: 240 panels

### GST-NNET-02H Communication Card



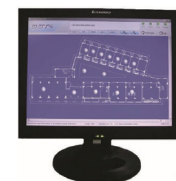
- Provides interface between panels and PC for configuration or Graphic Monitor Centre application
- JB-QB-GST1500H-EN and JB-QT-GST9000H-EN Compatible
- Multiple options of communication protocol of RS232, RS422 and RS485
- Communication Distance  
RS232 < 15m, RS422/485 < 1200m

### GST-DGNK5000H Multi-Mode Network Card



- JB-QB-GST1500H-EN and JB-QT-GST9000H-EN Compatible
- Provide CAN or TCP/IP for network or ModBus RTU485 to connect into BMS
- CAN Interface Capacity: 3000M, 240 Panels
- TCP/IP communication distance: < 100M

### GST-CRT-EN Graphic Monitor Centre



- A software based on pc to provide user graphics view interface
- Shifting between device layouts of different monitoring zones
- Multi-level password control
- One local operator and maximum 8 remote users

### JTF-GOM-GST601T Addressable Combination Optical Smoke and Heat Detector



- Integrated algorithm for analyzing both smoke and temperature with high sensitivity
- Unique chamber design well protected from insects, dust and light interference
- Removable sensing chamber, easy for maintenance

### JTW-ZCD-G3N Addressable Heat Detector



- With high sensitivity heat sensor to promptly and precisely detect the change of environmental temperature
- Rate of rise and fixed temperature alarm modes
- Auto-diagnostic and drift-compensation

### J-SAM-GST9122B-EN Addressable Manual Call Point



- Re-settable (non-breaking glass) via special key
- Electronically addressed by programmer
- Plug-in structure for simple and convenient installation and disassembly.
- Send alarm signal to FACP

### GST-ZF-520Z-EN LCD Display repeater



- Loop Powered
- 4.3" colourful LCD display
- Fire message with detail information
- Mute and lamp test buttons
- Electrically addressing

### JTY-GD-G3X Addressable Optical Smoke Detector



- Unique chamber design well protected from insects, dust and light interference
- Auto-diagnostic and drift-compensation
- Removable sensing chamber, easy for maintenance

### DZ-02 Common Detector Base



- Compatible with JTF-GOM-GST601T  
JTY-GD-G3X JTW-ZCD-G3N

### GST-HX-240B/320B Addressable Sounder and Strobe



- Plug-in constructions allow easy installation
- Electronically addressed by programmer
- Loud fire truck alarm sound or "DIDI", 2 alarm tones programmable
- GST-HX-240B: loop and power wiring without polarity
- GST-HX-320B: loop powered, cable monitoring with buzzer

### GST-LD-8361H/8301A Addressable Input and Output Module



- 1 NO relay output(30VDC/2A) to control field equipment
- 1 on-off input reporting to FACP
- Input working mode can be set NO or NC or self-confirm through programmer
- Cable check for both input and output port
- Plug-in structure for simple installation
- GST-LD-8361H: Loop powered
- GST-LD-8301A: 4 wire, loop and DC24V

### GST-LD-8360H Addressable Dual-Input Module



- Provides 2 passive inputs, each can be configured as NO/ NC
- Loop powered with low consumption
- Occupies 1 or 2 addresses
- Cable monitoring function
- Plug-in structure for simple installation

### GST-LD-8319 Addressable Zone Monitor Module



- Connect with conventional detectors into addressable system
- Each module can connect up to 30 conventional detectors
- Monitoring power supply and the removal of detector
- Cable monitoring for open circuit and short circuit
- Plug-in structure for simple installation

### GST-LD-8362H High Voltage Input and Output Module



- Loop powered with low consumption
- Input working mode can be set NO or NC or self-confirm through handheld programmer
- Output provides 250V/5A relay directly connecting to 220VAC control circuit
- Cable check for both input and output ports
- Plug-in structure for simple installation

### GST-LD-8369J/8313B Short Circuit Isolator



- Self-recovery after short circuit is removed
- Delayed power-up to avoid strong transient current when the load is heavy
- Plug-in structure for simple installation
- GST-LD-8369J Class A & B
- GST-LD-8313B Class B

## Tools and Accessories

### GST-DY-200H Conventional Power Supply Unit GST-DY-200A Intelligent Power Supply Unit



- Wall mount
- 6A/24VDC
- Built-in battery charger with full function control
- Main/Standby auto-switch
- Monitoring AC fault, battery fault and output fault
- Full battery protection for over-charge, over-discharge, short circuit and reverse connection

### P-9903 Loop Relay



- Enhance loop distance and reliability
- Increase 1000 meters of loop distance
- Maximum 2 pieces can be connected in serial
- Output supports Class B loop connection only

### P-9910B Handheld Programmer



- Small in size, easy to carry and operate.
- Able to program detectors, modules etc.
- Quadruple digit alphanumeric LCD display.
- Low-consumption hibernation and auto-shutting function
- Low battery indication