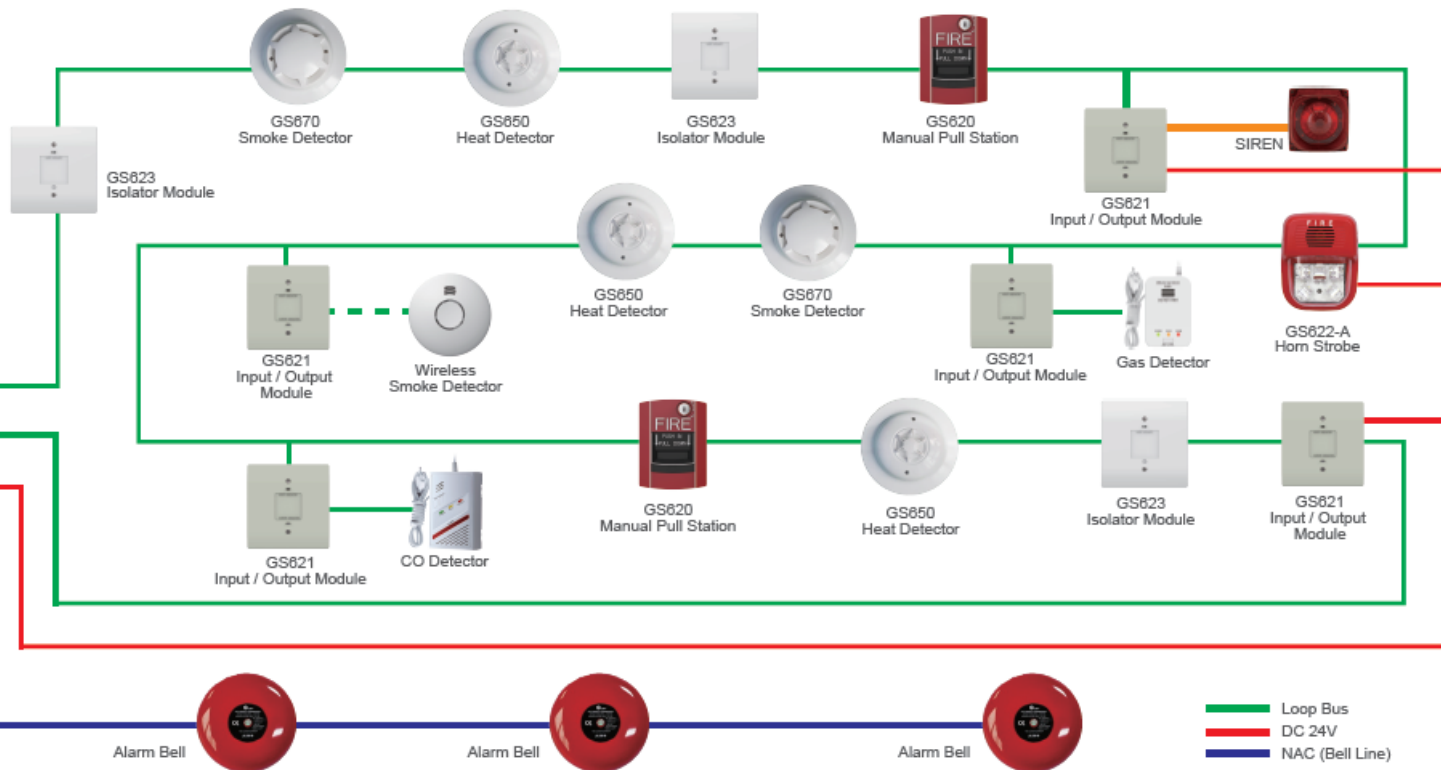


ADDRESSABLE FIRE ALARM SYSTEM

**Network Up
To 64 Panels**



GS890
FACP



ADDRESSABLE FIRE ALARM SYSTEM

UL Standard:

10th edition of UL864

System Components

- **PANEL:**
 - GS690 Fire Alarm Control Panel
- **DEVICES:**
 - GS650 Heat Detector (addressable)
 - GS670 Smoke Detector (addressable)
 - GS620 Manual Call Point (addressable)
 - GS621 Input / Output Module (addressable)
 - GS622-A Horn Strobe (addressable)
 - GS623 Isolator Module (addressable)
 - GS626 Alarm Bell



GS690

Intelligent Fire Alarm Control Panel

- Power: Input: AC(100 ~ 240)V/ 50/60Hz
- Emergency power supply: 12Ah @ 24V (2 x DC 12V)
- Battery fault voltage: $\leq$ DC 20V
- Standby current: 100mA @ DC 20~28V
- Loop current: 200mA
- Relay output: 3 x (1.0 A @ DC 30V /1A @AC 240V)
- Humidity range: 0%-95%
- Temperature range: 0 °C ~ +49 °C
- Size: 440*354*140.5mm



GS650

Intelligent Heat Detector

- Operating Voltage Range: 16~33VDC
- Standby current: $<$ 200uA@24VDC
- Alarm current: $<$ 3mA
- Sensitivity: 57.2 °C-78.9 °C
- Standard: UL521:1999
- Humidity range: $<$ 93%
- Temperature range: 0 °C-49 °C
- Size: Φ 150*59mm
- Addressable type



GS670

Intelligent Smoke Detector

- Operating Voltage Range: 16~33VDC
- Standby current: $<$ 200uA@24VDC
- Alarm current: $<$ 3mA
- Sensitivity: 89uA-94uA
- Standard: UL268:2009
- Humidity range: $<$ 93%
- Temperature range: 0 °C-49 °C
- Size: Φ 150*67mm
- Addressable type



GS620

Addressable Manual Pull Station

- Operating Voltage Range: 16~33VDC
- Standby current: $<$ 200uA @24VDC
- Temperature range: 0 °C ~ +49 °C
- Humidity range: 0%-93%(RH)
- Standard: UL38
- Size: 138*104*55mm
- Addressable type





GS621

Input/output Module

- Operating Voltage Range: 16~33VDC
- Loop current: 200mA
- Relay output: 2A, 30VDC; 0.5A 125VAC
- Temperature range: 0°C ~ +49°C
- Humidity range: 0%-93%(RH)
- Size: 124*124*63mm
- Addressable type



GS623

Isolator Module

- Operating Voltage Range: 16~33VDC
- Standby current: ≤ 0.2mA
- Work current: < 28mA
- Relay output: 1A, 30VDA; 1A 240VAC
- Temperature range: 0 °C ~ +49 °C
- Humidity range: 0%-93%(RH)
- Size: 124*124*63mm
- Addressable type



GS622-A

Horn Strobe

- Operating Voltage Range: 16~33VDC
- Light intensity: 15cd, 30cd, 75cd, 110cd, user selectable
- Sound mode: Intermittent sound, Continuous sound,
- Temperature range: 0 °C ~ +49 °C
- Humidity range: 0%-93% (RH)
- Size: 140*120*50mm
- 520Hz
- Ceiling mount pending
- Addressable type



GS626

Alarm Bell

- Operating Voltage Range: 16~33VDC
- Standby current: 0 A
- Alarm Current: 25 mA
- Alarm volume: ≥ 95 dB @ 1 m
- Terminal line: (0.4 ~ 2.5) mm²
- Temperature range: 0 °C ~ +65 °C
- Humidity range: 0%-93% (RH)
- Storage temperature: -25 °C ~ +80 °C
- Storage humidity: 0%-98% (RH)
- Size: Φ152*60mm



SITERWELL

ADVANTAGES

- 1. most significant advantage of our control panel: analog addressable
 - -the ability to locate the actual source of fire
 - -the ability to assign alarm threshold levels based on time of day and day of week.
 - -the ability to develop an alarm mitigation strategy based on specific installation.
- 2. addressable notification appliances
 - -the ability to provide notifications in specific and designated areas.
 - -the ability to turn on and turn off individual notification appliances as the emergency develops.
 - -compatibility with ADA -UL1971 requirements.
- 3. Two Class A or B initiating loops configurable to 40 zones
- 4. Initiating and notification appliances share the same communication loop.
- 5. state-of-the-art electronics providing great efficiency, minimum power consumption.
- 6. compact, easy to install and commission system

FEATURES

- 32 bit processor ARM Cortex-M3
- High contrast backlit LCD provides 4 rows of 40 characters for device and system status
- Separate individual detection zone fire LED indicators
- Automatic device detection on start-up
- Automatic device type-code verification
- 4 Access Levels
- Real Time Clock
- 4000 event history log
- Day/night mode configurable
- Manual activation of alarm devices
- Supervised auxiliary DC 24 V output (Only use to provide power for Strobes/Horns)
- 2 programmable non-addressable alarm output circuits
- 2 unmonitored relay contacts for Fire Alarm Condition outputs
- 1 unmonitored relay contact for Fault Condition output
- Surface mounting enclosure
- Supports up to 64 Repeater Panels (reserved)

FEATURES

- **LOOP:**
 - Single loop only, single loop expandable to 2-loop, or 2-loops
 - 127 addressable devices per loop
 - 40 configurable zones
 - 64 configurable input groups
 - 64 configurable output groups
 - 10 addressable audio/visual alarm devices per loop
 - Class A or Class B wiring (Only Class B when connected with Strobes/Horns)
- **Network options:**
 - RS485 Communication interface(reserved)
 - USB 2.0 Interface for PC Connectivity(reserved)
 - Ethernet interface for computer communication(reserved)

UL LISTING of CONTROL PANEL GS690



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Control Units, System

[See General Information for Control Units, System](#)

SITERWELL ELECTRONICS CO.,LIMITED

No.666 Qingfeng Road Jiangbei District
Ningbo, Zhejiang 315034 CHINA

S36001

UL 864 10th Edition Listed

Model	Control Unit System Type(s)	Initiating Device Type(s)	Signaling Type(s)
Fire Alarm Control Panel, Model GS690	L	A, M	March, NC

UL 864 10th Edition Listed

Subassembly, Model(s) Enclosure, Model GS690-P01, Loop Board, Model ST690-LOOP-V1.0, Main Board, Model ST690-V1.1

L - Local System

A - Automatic Fire Alarm: thermostats, smoke detectors, etc.

M - Manual Fire Alarm: manually operated boxes

March - March Time

NC - Noncoded, Steady, Temporal 3 Pattern, etc.

Last Updated on 2018-12-03



SITERWELL

UL LISTING of INPUT/OUT MODULE,ISOLATOR MODULE



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UOXX.S36001 - CONTROL UNIT ACCESSORIES, SYSTEM

DETAILS

File No.: S36001

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Control Unit Accessories, System

[See General Information for Control Unit Accessories, System](#)

SITERWELL ELECTRONICS CO.,LIMITED

No.666 Qingfeng Road Jiangbei District
Ningbo, Zhejiang 315034 CHINA

S36001

Investigated to UL 864 (10th edition)

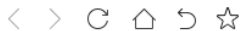
Model(s) *Input/Output Module, Model GS621, Isolator Module, Model GS623*

[Last Updated](#) on 2018-12-03

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UL LISTING of MANUAL PULL STATION



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UNI.U.S25382 - BOXES, NONCODED

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CCN: [UNI.U](#)

Document Type: Listing

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Boxes, Noncoded

[See General Information for Boxes, Noncoded](#)

SITERWELL ELECTRONICS CO., LIMITED

No.666 Qingfeng Road Jiangbei District

Ningbo, Zhejiang 315034 CHINA

Boxes, non-coded, Addressable Manual Station, Model GS620. Intended for indoor use.

S25382

Last Updated on 2018-09-28

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UL LISTING of HEAT DETECTOR GS650

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DETAILS

File No.: S36057

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Parent CCN: [UPLV Q](#)

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Document Company Information

Heat-automatic Fire Detectors

[See General Information for Heat-automatic Fire Detectors](#)

S36057

SITERWELL ELECTRONICS CO., LIMITED

No.666 Qingfeng Road Jiangbei District

Ningbo, Zhejiang 315034 CHINA

Model No.	Type	Compatibility Restrictions	Contact Arrangement	Temp Range (°F)	Smooth Ceiling	Spacing (Ft) to Wall or Partition
GS650 temperature selectable hard wired heat detector						
	FT/ROR	D2	-	140	50	25
				143.6	50	25
				149	50	25

Base Model	Related Detector	Control Unit Compatibility Restrictions
GS670-P01(BASE)	Model GS650	B2

B2 - For connection to Listed control units with which compatibility was determined by test or a review of circuit parameters. Interconnection and compatible models indicated on installation wiring diagram for detector (base) and/or control unit.

D2 - For connection to Listed control units with which compatibility was determined by test or a review of circuit parameters. Interconnection and compatible models indicated on installation wiring diagram for detector (base) and/or control unit.

FT/ROR - Fixed temperature/rate of rise combination

Last Updated on 2018-11-01

UL LISTING of SMOKE DETECTOR GS670

- Passed all tests March 27th, 2019, UL reviewing the paperwork now.