HST Fire

Focus on your safely, your strongest security partner

Fire Alarm Systems

Cataloge

HLogic Security Technology Co.,Ltd

WWW.HSTFIRE.COM

Version:1.2-2017

Vision

We target to be the first security in tegration company world wide

About Us

HST® (High Security Technology)

With an excellent reputation based on more than 20 years' experience in the field of security technology,

HST®

Is one of the most reliable and technologically advanced leading Manufacturer of a vast range of security products especially in production of FIRE ALARM SYSTEMS.

We provide High Quality end to end solutions for our clients from SMB up to Large Enterprise.

Our High Knowledge in Fire Alarm Detection Systems, Which allowed our factories specialize in OEM/ODM complete product range of Fire Alarm Systems include:

1- Conventional fire alarm system
2- Extinguishant control system
3- Addressable fire alarm control system
4- Alone fire alarm detectors
With a multiple range of default sized & special Mini Detectors.

HST Fire

QAS ISO9001 Certificate

PECB When Recognition Matters

CERTIFICATE

PECB hereby certifies that the management system of

Hlogic Security Technology Shenzhen Co., LTD. (HST)

Address

4F , Building 11, ChangXing Tech Park, WanAn Road, ShaJing, BaoAn District,

Shenzhen, China.

Has been assessed and found to be in accordance with the management system requirements in

ISO 9001:2015

Certification Scope:

Manufacture of fire alarm systems, firefighting systems, automation & security, CCTV and LED lights

Certificate No. **C110-QMS48-01-17**

Certified since **2017-01-13**

Valid from **2017-01-13** until **2020-01-12**

**Subject to annual surveillance audits*

Montréal, **2017-01-13**

Eric Lachapelle, CEO
PECB
6683 Jean Talon E, Suite 336
Montréal, H1S 0A5, QC, Canada
+1-844-426-7322

This assessment and certification was conducted in accordance with the PECB auditing and certification procedures.
This certificate can be validated by email request at **ms@pecb.com**

www.pecb.com

IAS ACCREDITED™ MSCB-111

IAF-ILAC-PAC-APLAC MLA-MRA Signatory

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

QAS ISO9001 Certificate

MANAGEMENT SYSTEMS CERTIFICATION

InterConformity
Assessment & Certification Company

CERTIFICATE

This is to confirm that the Quality Management System of

HLOGIC SECURITY TECHNOLOGY SHENZHEN CO., LTD. (HST)

4F, Building B1, XinHaoSheng High-Tech Park, YongHe Road, FuYong Town, Baoan District, Shenzhen, China

has been adequately implemented and maintained in accordance with the standard

ISO 9001 : 2008

for the following scope:

Manufacture for Fire Alarm Systems, Fire Fighting Systems, Automation & Security Systems , CCTV and LED lights

Registration Number:	EG.0052.1
Date of certificate issue:	02.10.2016
Initial certification date:	02.10.2016
Date of certificate expiration:	02.10.2018

Managing Director

InterConformity GmbH, Rupert-Mayer-Str. 44, 81379 München, Germany - European Union

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HST Fire

Intertek EN Approval

Cert. No.: 0359-CPR-00600

Certificate of Constancy of Performance

Intertek

0359-CPR-00600

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Product(s):	**Conventional and Analogue Addressable Heat and Smoke detectors** (refer to attached appendix for details and conditions)
placed on the market under the name or trade mark of:	**Hlogic Security Technology Shenzhen Co., Ltd.** 4F.Building B1, Dingfeng High-Tech Park, YongHe Road, FuYong, Baoan District 518103, Shenzhen, P.R. China
and produced in the manufacturing plant(s):	**Hlogic Security Technology Shenzhen Co., Ltd.** 4F.Building B1, Dingfeng High-Tech Park, YongHe Road, FuYong, Baoan District 518103, Shenzhen, P.R. China
Intended use:	**Fire Safety**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN54-5:2000+A1:2002

EN54-7:2000+A1:2002+A2:2006

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **24/03/2017** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Notified Body
0359

Intertek Testing & Certification Limited
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Fax: +44 (0)1372 370977
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Billy Blakeman
Certification Officer

Date 24/03/2017
Issue 1

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ, United Kingdom

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

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HST Fire

Intertek EN Approval

Cert. No.: 0359-CPR-00611

Certificate of Constancy of Performance

0359-CPR-00611

Intertek

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Product(s):	**Conventional electric alarm bell** (refer to attached appendix for details and conditions)
placed on the market under the name or trade mark of:	**Hlogic Security Technology Shenzhen Co., Ltd.** 4F.Building B1, Dingfeng High-Tech Park, YongHe Road, FuYong, Baoan District 518103, Shenzhen, P.R. China
and produced in the manufacturing plant(s):	**Hlogic Security Technology Shenzhen Co., Ltd.** 4F.Building B1, Dingfeng High-Tech Park, YongHe Road, FuYong, Baoan District 518103, Shenzhen, P.R. China
Intended use:	**Fire Safety**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN54-3:2001+A1:2002+A2:2006

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **22nd August 2017** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Notified Body
0359

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Billy Blakeman
Certification Officer

Date 22/08/2017
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This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

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Testing of the HST HD101 conventional optical smoke detector to Clause 5.12 Sulphur dioxide (SO_2) corrosion (endurance) taken from EN 54-7:2000[1].

Prepared for:
LPCB
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Garaston
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WD25 9XX

05 October 2011
Test report number
TE274351

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Testing of the HST HD101 conventional smoke detector to Clause 5.12 Sulph dioxide (SO_2) corrosion (endurance) taken from EN 54-7:2000[1].

Prepared on behalf of BRE Global by

Name B. L. Murtagh

Position Manager – Fire Detection

Signature

Authorised on behalf of BRE Global by

Name A. J. Dodkin

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Date 05 October 2011

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BRE Global is not UKAS accredited to make opinions and interpretation. Any opinions and interpretations included as part of this report are clearly marked as such.

UKAS TESTING
0578

This report may only be distributed in its entirety and in accordance with the terms and conditions of the contract. Test results relate only to the items tested. We have no responsibility for the design, materials, workmanship or performance of the product or items tested. This report does not constitute an approval, certification or endorsement of the product tested.

This report is made on behalf of BRE Global. By receiving the report and action on it, the client accepts that no individual is personally liable in contract, tort or breach of statutory duty (including negligence). No third party has any right to rely on this report.

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HST Fire

Applus EN Approval

Cert. No.: 0370-CPR-1209

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Applus

CE

Notified body N° 0370

ENAC CERTIFICACIÓN N° OC-P/009

CERTIFICATE

Nr. 0370-CPR-1209

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation *305/2011/EU* of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 7: SMOKE DETECTORS. POINT DETECTORS USING SCATTERED LIGHT, TRANSMITTED LIGHT OR IONIZATION

- **HD101B**: CONVENTIONAL PHOTOELECTRIC SMOKE DETECTOR.

Produced by:

HLOGIC SECURITY TECHNOLOGY CO., LTD.
4F, BUILDING B1, XINHAOSHENG HIGH-TECH PARK, YONGHE ROAD, FUYONG TOWN,
BAOAN DISTRICT, SHENZHEN, CHINA, 518103

And produced in the manufacturing plant:

HLOGIC SECURITY TECHNOLOGY CO., LTD.
4F, BUILDING B1, XINHAOSHENG HIGH-TECH PARK, YONGHE ROAD, FUYONG TOWN,
BAOAN DISTRICT, SHENZHEN, CHINA, 518103

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 54-7:2000, EN 54-7:2000/A1:2002, EN 54-7:2000/A2:2006

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 7th October 2011 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed and modified on 21st November 2014.

Bellaterra, 25th October 2013

Applus LGAI Technological Center, S.A.

Jordi Brufau Redondo
General Manager

Applus LGAI Technological Center, S.A.

Xavier Ruiz Peña
Product Conformity B.U., Managing Director

This document is not valid without its technical annex, whose number coincides with the number of certificate.

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CERTIFICATE

Notified body N° 0370

ENAC CERTIFICACIÓN N° OC-P/009

Nr. 0370-CPR-1217

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation *305/2011/EU* of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 7: SMOKE DETECTORS. POINT DETECTORS USING SCATTERED LIGHT, TRANSMITTED LIGHT OR IONIZATION

- **HD201B**: ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR.

Produced by:

HLOGIC SECURITY TECHNOLOGY CO., LTD.
4F, BUILDING B1, XINHAOSHENG HIGH-TECH PARK, YONGHE ROAD, FUYONG TOWN,
BAOAN DISTRICT, SHENZHEN, CHINA, 518103

And produced in the manufacturing plant:

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BAOAN DISTRICT, SHENZHEN, CHINA, 518103

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard

EN 54-7:2000, EN 54-7:2000/A1:2002, EN 54-7:2000/A2:2006

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 28th October 2011 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed and modified on 08th November 2013.

Bellaterra, 08th November 2013

Applus
LGAI Technological Center, S.A.

Jordi Brufau Redondo
General Manager

Applus
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Xavier Ruiz Peña
Product Conformity B.U., Managing Director

This document is not valid without its technical annex, whose number coincides with the number of certificate.

LGAI TECHNOLOGICAL CENTER, S.A. C.I.F. A-63207492

HST Fire

Focus on your safely, your strongest security partner

Conventional Fire Alarm System

Conventional Fire Alarm Control Panel

Model Number:HP101-04/HP101-08/HP101-16

General Description:

The fire alarm control panels (4 Zones, 8 Zones, and 16 Zones) provide all of the sophisticated features required of a leading edge conventional fire alarm system along with the simple operation and efficient installation methods demanded by both installers and building users.

The panel can be flush or surface mounted and the generously sized metal back box allows ample space for rear or top cable entries.

A comprehensive range of auxiliary devices is available to operate with the fire control panels including optical, ionization, photoelectric, photoelectric-thermal and heat detectors.

Each of the system components has been specifically designed to operate as part of the system.

This provides assurance that the control panel, smoke detectors, interface devices and the ancillary components are all fully compatible with one another and that the full range of system functionality is supported by each device.

Specifications

Primary AC	90-270VAC 50/60 Hz
Power supply rating	3 Amps @ 24VDC
ALARM&FAULT Relay rating	2A & 30VAC, resistive
Normal Initiating Operating Voltage	23VDC, Maximum 26VDC, regulated
Minimum Battery Size 2 x 12V Required (Ah)	7
Detector Voltage (V DC)	20
Number of Sense Zones	1 to 16
Maximum Number of Detectors	30
Firing Resistance (Ohms)	510 ± 200
Sense Zone End of Line (Ohms)	4k7
Sounder Voltage (V DC)	27
Number of Sound Zones	2
Maximum Sound Current per Zone	500mA
Max. Number Sounder of per Zone	5
Alarm Zone End of Line (Ohms)	10k
Max. Auxiliary Supply Current in Fire (mA)	500mA
Panel Weight [Without Batteries]	4.15kg
Panel Dimensions (mm)	383 * 295* 87(L*W*D)

HP1016

Conventional Fire Alarm Repeater

The HP1016 Repeater is compatible with all HP101 control panels Repeaters are available with 16 zones with 24V powered (DC). Mains powered repeaters require only a two core data cable from the main control panel. 24V DC versions require an additional two cores for power either from the main panel or from another 24V DC source.

A mixture of Repeaters or Ancillary boards up to a maximum of 4 of each type can be connected to a control panel and each is allocated an address from 1 to 4 using a binary coded DIP switch. The total length of the data cable from the main panel to the last repeater must not exceed 1200 metres.

Demensions(mm):254*158*76(L*W*D)

Weight:1.45kg.

Conventional Fire Alarm Control Panel

Model Number: HP1010-02/-04/-08/-16

General Description:

The HP1010 Series conventional fire alarm control panel is a 24 volt, 2 to 16 zones, class B, conventional Fire Alarm Control Panel. Designed exclusively to meet the latest market requirements and future ULC codes, the highly cost-effective Series can be used in a variety of low- to mid-sized applications.

The panel uses conventional input devices.

The panel accepts water flow devices, two-wire smoken or heat detectors, four-wire smoken or heat detectors,call points and other normally-open contact devices.

Outputs include four Notification Appliance Circuits (NAC, SOUND1-4), three standard Form-A relays (alarm, trouble and supervisory) and an EIA-485 port to interface with repeaters.

The panel is field programmable via the panel keypad. It also supervises all wiring, AC voltage and battery level.

Features:

* 2,4,8,16 Class B Initiating Device Circuits (IDCs)
* All zones accept conventional detectors and any normally open contact device
* 1-4 Class B Notification Appliance Circuits (NACs)
* One Form-A Alarm Relay
* One Form-A Trouble Relay
* One Form-A Supervisory Relay
* 3.0 amps of system power
* Max 30 conventional detectors in one zone.
* Auto/Manual mode setting enable walk test.
* Each Zone can be disabled
* Sound output can be disabled.
* Manual active sound output enabled.
* Manual active sound output enabled.
* Able to report short and broken circuit of detection zones.
* Designed with standby batteries and space provision for two sealed lead-acid batteries.
* Testing and disable functions.
* Can connect maximum 32 repeater panels by RS485 communication port.

Specifications

Primary AC	90-270VAC 50/60 Hz
Power supply rating	3 Amps @ 24VDC
ALARM&FAULT Relay rating	2A & 30VAC, resistive
Normal Initiating Operating Voltage	23VDC, Maximum 26VDC, regulated
Minimum Battery Size 2 x 12V Required (Ah)	10Ah for 4 to 16 zones 4.5Ah for 2 zones
Number of Sense Zones	1 to16
Maximum Number of Detectors	30
Firing Resistance (Ohms)	510 ± 200
Sense Zone End of Line (Ohms)	4k7
Sounder Voltage (V DC)	27
Number of Sound Zones (NACs)	1 to 4
Maximum Sound Current per Zone	500mA
Max. Sounder Number of per Zone	5
Alarm Zone End of Line (Ohms)	10k
Max. Auxiliary Supply Current(mA)	500mA
Panel Dimensions (mm)(L*W*D)	4 to 16 Zones: 370*440*100 2 Zones: 205*258*81
Panel Weight [Without Batteries]	4 to16 Zones: 6.6kg 2 Zones: 2.2kg

100 Series Conventional Detector

Model Number:HD101B/HD102B/HD103B

CE 17
0359

General Description:

This series detector can be used in all areas where photoelectric smoke detector,heat detector or multi detector is required. It is suited for fires ranging from smoldering to flaming fires.

This series detectro is designed to provide open area protection and to be used with most conventional fire alarm control panel.

Two LEDs on each detector provide local 360° visible for indication of status. In the normal condition the LEDs flash red every 5 seconds. When the detector senses smoke or heat goes into pre-alarm sensitivity the LEDs will flash red every 1 second. When the detector senses smoke or heat goes into alarm the LEDs will latch on red. The alarm can be reset only by a momentary power interruption.

The detectors meets the requirements of the EN54-5&7 standards and were got the certification by Intertek.

HS104 Remote LED

General Description:

The device is remote LED uses a state of-the-art designs.
This LED is designed to be used with detectors.
One 8mm LED provide local 360° visible alarm indication.
They flash with the same as detector that be connected.
Dual Standard Installation Size:
4 holes provid USA(83mm) and Europe(59mm) screws width

Specifications

HD101B Coventional Smoke Detector

Operating Voltage Range	16 to 28VDC Volts Non-polarized
Standby Current	≤40μA @ 24 VDC
Maximum Alarm Current (LED on)	≤30mA @ 24 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Smoke Sensitivity	0.12 to 0.25dB/m
Height	55 mm (Installed in Base)
Diameter	103 mm
Weight	155 g

HD102B Coventional Heat Detector

Operating Voltage Range	16 to 28VDC Volts Non-polarized
Standby Current	≤40μA @ 24 VDC
Maximum Alarm Current (LED on)	≤30mA @ 24 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Temperature Class	A2R
Height	55 mm (Installed in Base)
Diameter	103 mm
Weight	155 g

HD103B Coventional Multi Detector

Operating Voltage Range	16 to 28VDC Volts Non-polarized
Standby Current	≤40μA @ 24 VDC
Maximum Alarm Current (LED on)	≤30mA @ 24 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Sensitivity(Smoke&Heat)	0.12 to 0.25dB/m & A2R
Height	55 mm (Installed in Base)
Diameter	103 mm
Weight	155 g

100 Series Components of Conventional Fire Alarm System

HC102 Conventional Call Point

General Description:

The conventional manual call point designed for conventional fire alarm system for reporting fire or emergency condition by its PUSH IN/PULL DOWN handle latches.
It is only used with conventional fire alarm control panel.

Specifications

Operating Voltage Range	9 to 28VDC
Standby Current	≤2μA @ 24 VDC
Maximum Alarm Current (LED on)	≤50mA @ 24 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Alarm resistance	470Ω
Material	ABS&PC
Dimensions(MM)	140*105*45(L*W*D)
Weight	220 g

CE 17
0359

HB101 Conventional Fire Bell

General Description:

The conventional fire bell remains the most commonly used alarm for fire evacuation system, for wall applications, indoors.
The bell is designed to be used in 24 volt DC systems it meets the requirements of the EN54-3 standards and was got the certification by Intertek.

Specifications

Operating Voltage Range	16 to 28VDC
Environment type	Type A
Maximum Alarm Current	≤18mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Material	Aluminum
Sound Level	85dB(A)@3M(Minimum)
Dimensions(MM)	6”, 150*55 (DxH)
Weight	380g

HS103 Conventional Call Point

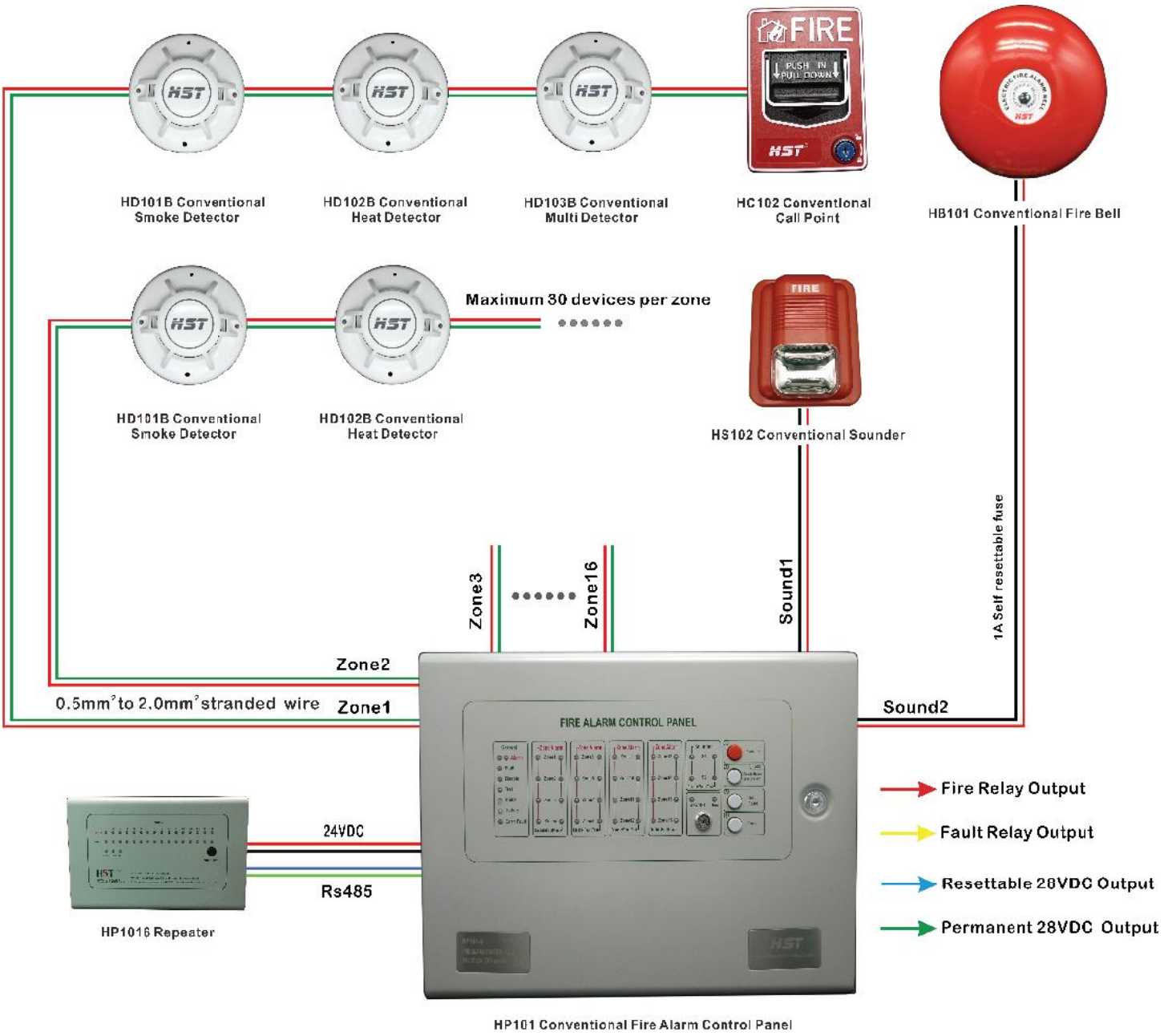
General Description:

The Sounder strobe is a kind of audible and visual alarm device installed in field, which can be activated by fire alarm control panel in fire control center or by manual call point installed in field. After activated, it will generate strong audible/audible and visual alarm signal to warn people in field.

Specifications

Operating Voltage Range	9 to 30VDC
Flash Intensity	>75CD
Maximum Alarm Current	≤50mA @ 24 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Material	ABS
Sound Level	90dB(A)@3M(Minimum)
Dimensions(MM)	133*115*50(L*W*D)
Weight	141g

Schematic Diagram of Conventional Fire Alarm System



HST Fire

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Extinguishant Control System

Extinguishant Control Panel

Model Number: HP102-4

Components of extinguishant control system

General Description:

The automatic extinguisher control panel is designed in accordance with European standards EN54-2 and EN54-4 Fire Detection and Fire Alarm systems Control and Indicating Equipment and EN12094-1 Fixed firefighting systems - Components for gas extinguishing systems - Part 1: Requirements and test methods for electrical automatic control and delay devices.

The control equipment is a combined fire alarm control panel and extinguishing system and has four detection zones, any or all of which are capable of contributing to the extinguishant release decision. Control panels have an integral, mains powered battery charger and power supply designed in accordance with the requirements of EN54-4.

Features:

* Class B Initiating Device Circuits (IDCs)
* 4 zones accept conventional detectors and any normally open contact device
* 2 Class B Notification Appliance Circuits (NACs)
* One Form-A Alarm Relay
* One Form-A Trouble Relay
* Two Form-A Stage Relay
* 3.0 amps of system power
* Max 30 conventional detectors in one zone.
* Each Zone can be disabled
* Sound output can be disabled
* Manual active sound output enabled
* Can connect max 32 repeater panels by RS485 communication port

Specifications

Primary AC	90-270VAC 50/60 Hz
Power supply rating	3 Amps @ 24VDC
ALARM&FAULT Relay rating	2A & 30VAC, resistive
Normal Initiating Operating Voltage	23VDC, Maximum 26VDC, regulated
Minimum Battery Size 2 x 12V Required (Ah)	7
Number of Sense Zones	4
Maximum Number of Detectors	30
Firing Resistance (Ohms)	510 ± 200
Sense Zone End of Line (Ohms)	4k7
Sounder Voltage (V DC)	27
Number of Sound Zones (NACs)	2
Maximum Sound Current per Zone	500mA
Max. Sounder Number of per Zone	5
Alarm Zone End of Line (Ohms)	10k
Max. Auxiliary Supply Current(mA)	500mA
Extinguishant release output	2 Amp@28VDC
Extinguishant release delay time	Adjustable 0 to 75 seconds
Extinguishant output end of line	10K±5% 1/2 Watt resistor
SIL, AL, FLT, RST inputs	Switched – max 1k ohms
Terminal capacity	0.5mm2 to 2.5mm2 wires
Extract contact rating	2A /30VDC maximum for each
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Panel Dimensions (mm)	383*295*87(L*W*D)
Panel Weight [Without Batteries]	5kg

100 Series Components of Extinguishant Control System

HF115 Manual Release Station

General Description:

The Manual release is connected with Fire fighting panel. There are three buttons on the station, one is START button, and another one is STOP button. When the START button is pressed, you can press RESTORE button to restore the start button.

Specifications

Operating Voltage Range	9 to 30VDC
Switch Contact Capacity	2Amp @24VDC
Maximum Alarm Current	≤50mA @ 24 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Material	ABS
Panel of Press	Recoverable
Dimensions(MM)	87*87*49(L*W*D)
Weight	123g

HF119 Release Warning Signage

General Description:

The release warning signage is Installed outside the gas protection site. When the gas is released it warn the personnel not to enter the air release protection area.

Specifications

Operating Voltage Range	16 to 30VDC
Flash Intensity	>75CD
Maximum Alarm Current	≤90mA @ 30 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Material	ABS
Flash Period	1.5 Second
Dimensions(MM)	295*120*28(L*W*D)
Weight	293g

HF116 Maintenance Switch

General Description:

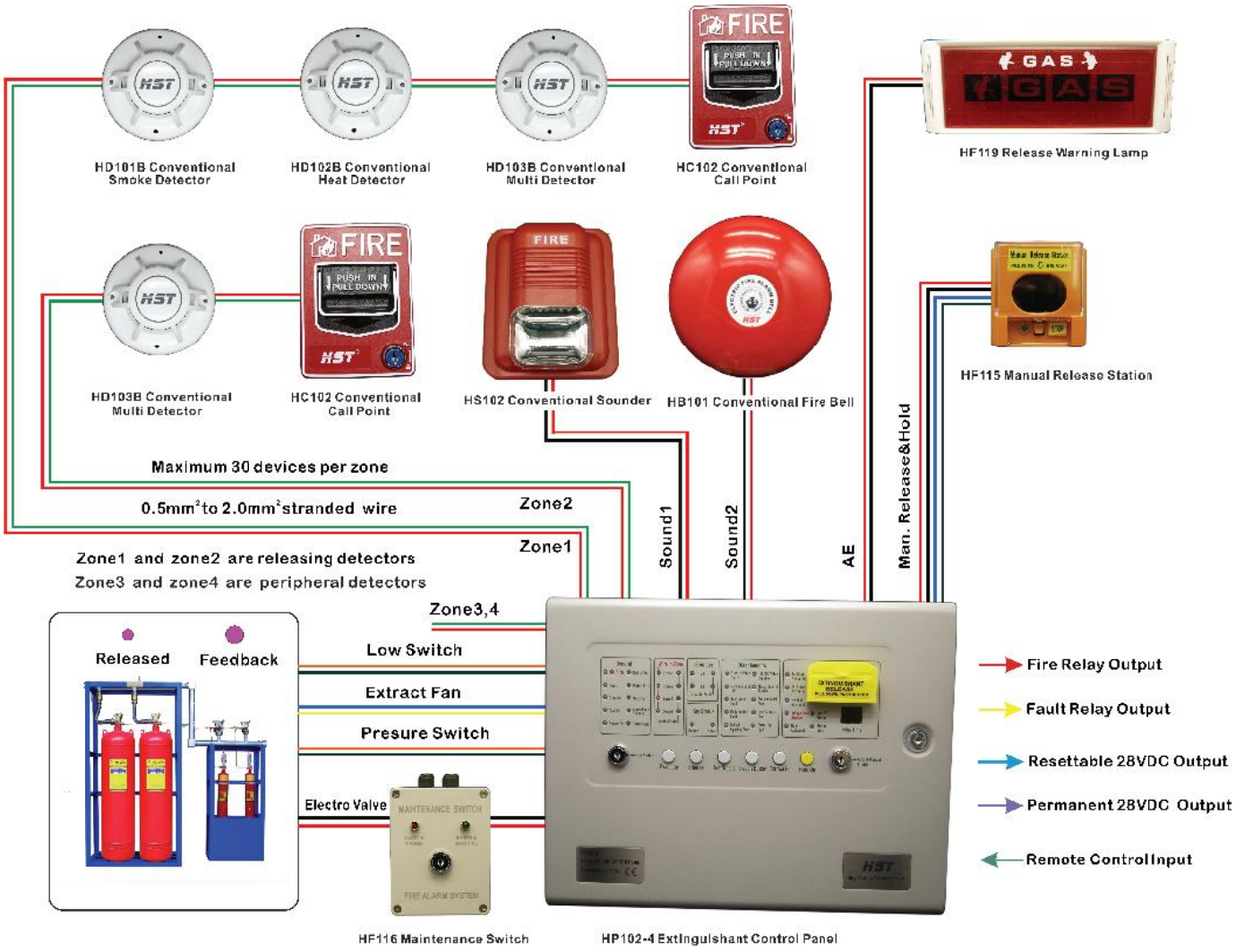
This MAINTENANCE panel is a key switch, which disconnects actuation circuits in the system to prevent accidental discharge during maintenance operations.

This panel is also available with the key removable in both the “SYSTEM ARMED” and the “SYSTEM INACTIVE” positions.

Specifications

Operating Voltage Range	9 to 30VDC
Switch Contact Capacity	5Amp @30VDC
Maximum Alarm Current (Led On)	≤20mA @ 30 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Material	ABS
Protection level	IP65
Dimensions(MM)	115*90*54(L*W*D)
Weight	237g

Schematic Diagram of Extinguishant Control System



HST Fire

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Addressable Fire Alarm Control System

200 Series Addressable Detector

Model Number:HD201B/HD202B/HD203B

CE 17
0359

General Description:

This series detector can be used in all areas where photoelectric smoke detector,heat detector or multi detector is required. It is suited for fires ranging from smoldering to flaming fires.

This series detectro is designed to provide open area protection and to be used with HST addressable fire alarm control panel.

Two LEDs on each detector provide local 360° visible for indication of status.In the normal condition the LEDs flash red every scan time of panel.

When the detector senses smoke and goes into alarm the LEDs will latch on red.

The alarm can be reset by a instruction from addressable panel.

The address of detector can be set location address by addressable programmer.

The detectors meets the requirements of the EN54-5&7 standards and were got the certification by Intertek.

CE 17
0359

HLogic Security Technology Co.,Ltd
0359-CPR-00600
EN54-5&EN54-7
Fire detection and fire alarm systems installed in and around buildings.
According to Construction Products Regulation EU N° 305/2011

Specifications

HD201B Addressable Smoke Detector

Operating Voltage Range	16 to 28VDC Volts Non-polarized
Standby Current	≤320μA @ 28 VDC
Maximum Alarm Current (LED on)	≤5mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Smoke Sensitivity	0.12 to 0.25dB/m
Height	55 mm (Installed in Base)
Diameter	103 mm
Weight	155 g

HD202B Addressable Heat Detector

Operating Voltage Range	16 to 28VDC Volts Non-polarized
Standby Current	≤320μA @ 28 VDC
Maximum Alarm Current (LED on)	≤5mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Temperature Class	A2R
Height	55 mm (Installed in Base)
Diameter	103 mm
Weight	155 g

HD203B Coventional Multi Detector

Operating Voltage Range	16 to 28VDC Volts Non-polarized
Standby Current	≤320μA @ 28 VDC
Maximum Alarm Current (LED on)	≤5mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Sensitivity(Smoke&Heat)	0.12 to 0.25dB/m & A2R
Height	55 mm (Installed in Base)
Diameter	103 mm
Weight	155 g

200 Series Addressable Call Point & Modules

Model Number:HC202/HM201-R

HC202 Addressable Call Point

General Description:

The HC202 is designed to be used to as a component of a fire control system compatible control panel.

It is a dedicating addressable call point for installation on the 2-wire communication circuit providing both signaling of alarm to the monitoring control panel and local led indication of activation.

The HC202 is designed for indoor application.

It is not intended for use in an externally exposed or haz-ardous location (refer to your supplier for product recommendations should these applications be involved).

If the manual call point is connected with the polarity reversal wire, it will not operate normally. But, other units can still operate as usually in the loop.

Specifications

Loop Voltage Range	16 to 28VDC
Standby Current	≤3620μA @ 28 VDC
Maximum Alarm Current (LED on)	≤5mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Alarm Resettable	With self-carried key
Material	ABS&PC
Dimensions(MM)	140*105*45(L*W*D)
Weight	220 g

HM201-R Addressable Output Module

General Description:

The HM201-R can be installed in a single gang junction box directly behind the monitored unit. It is a addressable output module for installation on the 2-wire communication circuit and its location address is written inside the MCU's EEPROM by the addressable programmer.

The HM201-R has two output modes can be selected:

1. Relay output mode: It contains a isolated set of form C contacts, which operate as a SPST switch. No supervision is provided for the notification appliance circuit.

2. Power output mode:It provides supervised monitoring of wiring to load devices that require an external power supply to operate, such as horns, strobes, or bells.

Upon command from the control panel, the output module will disconnect the supervision and connect the external power supply across the load device.

The external power supply is always relay isolated from the communication loop, so that a trouble condition on the power supply will never interfere with the rest of the system.

Full analog measurement of the supervised wiring is transmitted back to the panel and can be used to detect impedance changes or other special test functions.

Specifications

Loop Voltage Range	16 to 28VDC , <450uA@28VDC
External power supply	16 to 32VDC
Maximum Alarm Current	≤5mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Relay contacts capacity	2Amp@30VDC
Power output capability	2Amp@30VDC
Dimensions(MM)	87*87*37(L*W*D)
Weight	81g

200 Series Addressable Modules

Model Number:HM201-S/HM201-C

HM201-S Addressable Input Module

General Description:

The module can be installed in a single gang junction box directly behind the monitored unit. Its small size and light weight allow it to be installed without rigid mounting.
The module is intended for use in addressable, 2-wire systems where the individual address of each module is written inside the MCU's EEPROM by the addressable programmer.
The input modules provide an interface to contact devices, such as security contacts, water flow switches, or pull stations.
In addition to transmitting the supervised state of the monitored device (normal, open, or short), the full analog supervision measurement is sent back to the panel. This allows detection of impedance changes in the supervised loop to the monitored device.

Specifications

Loop Voltage Range	16 to 28VDC
Standby Current	≤450μA @ 28 VDC
Maximum Alarm Current (LED on)	≤5mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
End of line resistance	47kΩ
Trigger alarm current	>9mA
Dimensions(MM)	87*87*37(L*W*D)
Weight	76g

HM201-C Addressable Interface Module

General Description:

The interface module can be installed in a single gang junction box directly behind the monitored unit. Its small size and light weight allow it to be installed without rigid mounting. The module is intended for use in addressable, two-wire systems where the individual address of each module is written inside the MCU's EEPROM by the addressable programmer.
The Interface module allows intelligent panels to interface and monitor 2-wire conventional detectors. The module is addressed through the communication line of an intelligent system. It transmits the status of one zone of 2-wire detectors to the fire alarm control panel. Status conditions are reported as normal, open, or alarm. The interface module supervises the zone of detectors and the connection of the external power supply.

Specifications

Loop Voltage Range	16 to 28VDC, <450uA@28VDC
External power supply	16 to 32VDC
Maximum Alarm Current (LED on)	≤5mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
End of line resistance	4.7kΩ
Trigger alarm current	>9mA
Dimensions(MM)	87*87*37(L*W*D)
Weight	80g

200 Series Addressable Modules & Sounder

Model Number:HS201/HM201-I

HS201 Addressable Sounder

General Description:

The sounder strobe remains the most commonly used alarm for fire evacuation system, for wall or ceiling applications, indoors.

The sounder strobe is intended for use in addressable, 2-wire systems where the individual address of each device is written inside the MCU's EEPROM by the addressable programmer.

The system designer must make sure that the total current drawn by the devices on the loop does not exceed the current capability of the panel supply, and that the last device on the circuit is operated within its rated voltage.

When calculating the voltage available to the last device, it is necessary to consider the voltage drop due to the resistance of the wire. The thicker the wire, the smaller the voltage drops. Wire resistance tables can be obtained from electrical handbooks.

Specifications

Loop Voltage Range	16 to 28VDC, <450uA@28VDC
External power supply	16 to 32VDC,<4mA@28VDC
Maximum Alarm Current (LED on)	≤35mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Sound level	>80dB(A)@1MΩ
Strobe signal strength	>75cd
Dimensions(MM)	87*87*47(L*W*D)
Weight	106g

HM201-I Addressable Short Isolator Module

General Description:

The HM201-I can be installed in a single gang junction box directly behind the monitored unit. Its small size and light weight allow it to be installed without rigid mounting.

The module is intended for use in addressable, 2-wire systems.

The HM201-I is an automatic switch that opens when the line voltage drops below four volts.

Isolator

The HM201-I should be spaced between groups of sensors or modules in a loop to protect the rest of the loop. If a short occurs between any two isolators, then both isolators immediately switch to an open circuit state and isolate the devices between them. The remaining units on the loop continue to fully operate. The number of devices that can be installed between isolator modules varies depending on the device type

(Recommend no more than 30 devices).

Specifications

Loop Voltage Range	16 to 28VDC
Standby current	≤90uA @ 28 VDC
Maximum Alarm Current (LED on)	≤5mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Fault detection delay	<250ms
Fault detection threshold	<4VDC
Dimensions(MM)	87*87*37(L*W*D)
Weight	73g

Addressable Fire Alarm Control Panel

Model Number:HP201

AP200 Addressable Programmer

General Description:

HP201 is an addressable fire alarm control panel capable to connect up to 250 HST addressable devices per loop. With its extra large graphical display, it configures almost all panel settings via its very simple interface or with it's built in PC interface via HST RINGER configuration software. It stores almost all different actions monitored up to 4000 event log records.
HP201 covers all small to medium size fire detection system needs.

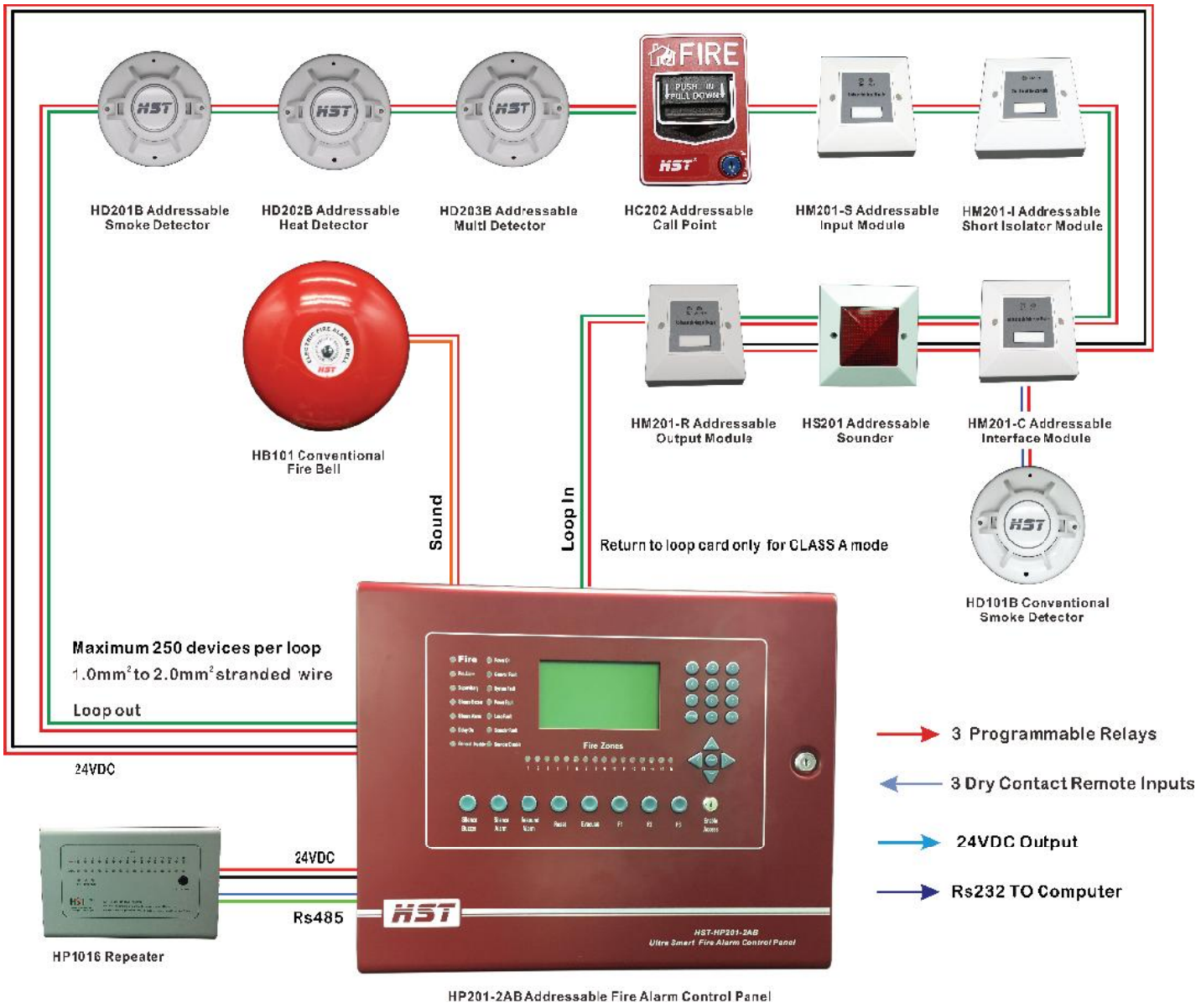
Features:

* 2 onboard detection loops with maximum 250 devices per loop (HST protocol).
* 2 onboard programmable monitored conventional sounder lines.
* 3 onboard programmable relays.
* 3 onboard programmable dry contact inputs.
* 1 onboard programmable 24 voltage output.
* 1 onboard free 24 voltage output.
* 4 onboard fixed alarm functional keys
* 1 onboard fixed evacuate key.
* 2 onboard programmable keys.
* Full navigation keys & full numeric keypad.
* 14 onboard functional LED indicators.
* 250 zones with 16 onboard zonal LED indicators.
* 4000 event log records.
* Large graphical display (240 X 128 pixels).
* 1 RS-232 interface for PC panel con_guration tool.
* 1 RS485 communication port for repeater
* Real time clock.

Specifications

Primary AC	90-270VAC 50/60 Hz
Main supply output voltage(VDC)	27VDC
Main supply output current(mA)	6.5A max.
Panel main fuse	5A
Minimum Battery Size 2 x 12V Required (Ah)	7
Battery charging voltage(VDC)	27VDC
Battery charging current(mA)	700
Programmable volatge output	1Amp@24VDC
Free volatge output	1Amp@24VDC
Sounder lines	1Amp@24VDC ressetable fuse
Sounder Zone End of Line (Ohms)	10k
Detection loop current(mA)	190mA max
Display	Graphical LCD 240X128
Current consumption (normal)(mA)	410 max.(500 Devices on line)
Current consumption (alarm)(mA)	1670 max.(500 Devices on line)
Relay contacts capacity	2 Amp@28VDC
Protocol	HST CLIP
Computer interface	RS485&RS232
3 Dry inputs	Switched – max 1k ohms
Terminal capacity	0.5mm2 to 2.5mm2 wires
Extract contact rating	2A /30VDC maximum for each
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Panel Dimensions (mm)	450*370*120(L*W*D)
Panel Weight (Without Batteries)	6kg

Schematic Diagram of Extinguishant Control System Addressable



HP201-2AB Addressable Fire Alarm Control Panel

HST Fire

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Alone Fire Alarm Detectors

UV Flame detectors & Beam detector

Model Number:HD104/HD106

Reflector

HD104 Ultraviolet Flame Detector

General Description:

The device is an Ultraviolet-only flame detector designed to detect fires and provide alarm outputs directly from the detector while maintaining false alarm immunity. It detects in the ultraviolet (UV) spectral range for optimized speed of response.

It is fast and capable to detecting the ultraviolet (UV) rays emitted by a burning substance and is used in high hazard applications such as petrochemical plants, munitions factories and other areas where flammable or explosive liquids or solids are handled or stored.

The flame sensor adopts an ultraviolet photosensitive tube, with qualities of highly sensitive, reliable, dust-resistant, corrosion proof and moisture-resistant, therefore is not sensitive in sunlight, dust, oil, tolerance of fume, and humidity.

Specifications

Operating Voltage Range	12 to 28VDC Volts Non-polarized
Standby Current	≤10mA @ 28 VDC
Maximum Alarm Current (LED on)	≤40mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Detection Angle	120 degree
Detection Sensitivity	Grade I, 25m@EN54 standard Test
Dimentions(mm)	103*45 (D*H,With base)
Weight	153 g

HD106 Beam Detector

General Description:

The HD106 is a conventional beam smoke detector, which must be used together with a reflector.

The number of reflector(s) to be used (one or four) depends on the distance from the detector.

With excellent built-in microprocessor, the detector has strong ability of analysis and judgment. The detector can automatically carry out system adjustment, compensation of variation of ambient data, and judgment of fire and fault through fixed algorithm, and indicate these states by LED and signal output terminals. With new and reasonable design, attractive appearance, flexible adjustment and alignment method it's easy to install and adjust.

The detector is applicable to historical buildings, warehouses, large storages, shopping malls, museums etc, as well as places where slight smoke particles exist.

Specifications

Operating Voltage Range	15 to 28VDC Volts Non-polarized
Standby Current	≤12mA @ 28 VDC
Maximum Alarm Current (LED on)	≤22mA @ 28 VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Monitoring Area	1400m2, Maximum
Length of Optical Pathway	8m to 100m
Dimentions(mm)	206*95*95
Weight	450g

Combustible Gas detectors & Alone Smoke detector

CE

EC.1282.0D141230.CSTCU44
EN 14604 : 2005

HD105 Combustible Gas Detector

General Description:

The HD105 is designed for single station use. Small and compact, the design and color makes it ideal for use in the home, small commercial properties, and recreational vehicles. It is intended to detect leakage of natural gas (methane gas), town gas, and bottled gas (propane gas). The unit is designed for DC wire in applications. The gas alarm can be mounted high (for methane gas) or low (for propane (LPG) gas).
It is equipped with a sturdy metal mounting bracket for quick, easy, and secure installation.
For detecting natural gas (lighter than air), the HD105 should be installed below the ceiling and the maximum distance away from the furnace or gas appliances is 8 meters.
For detecting LPG (heavier than air), the HD105 should be installed the maximum distance away from the furnace or gas appliances is 4 meters.

Specifications

Operating Voltage Range	9 to 28VDC Volts Non-polarized
Standby Current	≤70mA @ 28VDC
Maximum Alarm Current (LED on)	≤125mA @ 28VDC
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Sound Level	80dB(A)@1M
Value of Threshold	Natural Gas: 5000ppm (10% LEL)
Dimentions(mm)	103*55 (D*H,With base)
Weight	155 g

DG822 Alone smoke Detector

General Description:

To choosing this alone smoke detector equipped able to quickly detect the smoke of fires. A signal powerful sound of 85 dB is emitted to warn each member of the family, even while they sleep.A simple solution for effective protection of your home.
It is recommended to install at least one detector per floor in the corridors leading to the living rooms.For maximum protection, put a detector per bedroom.
It is not recommended to place a device in the rooms such as kitchens and bathrooms.
Locate the first alarm in the immediate area of the bedrooms but not in the bedrooms. Try to protect the exit path as the bedrooms are usually farthest from the exit.
If more than one sleeping area exists, locate additional alarms adjacent to each sleeping area.

Specifications

Operating Voltage Range	9V battery work independently
Standby Current	≤9 uA
Maximum Alarm Current (LED on)	≤40mA
Operating Humidity Range	10% to 93% Relative Humidity, Non-condensing
Operating Voltage Range	-10°C to 50°C
Sound Level	85dB(A)@3M
Smoke Sensitivity	0.12 to 0.22 dB/M
Dimentions(mm)	105*59 (D*H)
Weight	135g (With battery)

HST Fire

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