



STARVVO®

PT Global Mitra Proteksindo
Fire Protection & Safety Equipment

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ABOUT COMPANY

PT Global Mitra Proteksindo adalah perusahaan yang bergerak dibidang penyediaan dan distributor peralatan pemadam kebakaran dan peralatan safety. PT Global Mitra Proteksindo sudah berpengalaman dalam mengerjakan pekerjaan-pekerjaan sistem pemadam kebakaran mulai dari perencanaan, pengadaan hingga pemasangan dan instalasi.

PT Global Mitra Proteksindo berdiri sejak tahun 2003 dengan nama PD. Cemerlang Timur yang kala itu khusus menangani penjualan produk alat pemadam api saja, nama PT Global Mitra Proteksindo sendiri baru populer pada tahun 2010 ketika perusahaan kami membentuk sebuah divisi yang khusus menangani "Fire Protection Total Solution" dan memproduksi Fire Extinguisher dengan merek "STARVVO®".

PT Global Mitra Proteksindo berkomitmen untuk memberikan solusi perlindungan dari resiko kebakaran. Kami memiliki jangkauan pemasaran dan pengalaman di seluruh Indonesia serta bekerja secara konsisten dengan ketelitian, kecepatan dan memprioritaskan keselamatan kerja untuk memberikan hasil yang sempurna.

VISION

Menjadi penyedia layanan sistem pencegahan dan penanggulangan kebakaran dengan kualitas terbaik dan terpercaya.

MISSION

Totalitas dalam melayani dan menanggapi setiap pelanggan dengan kualitas kompetensi individu yang professional, berintegritas, cepat tanggap dan proaktif dalam pelayanan.

Konsisten memberikan solusi keselamatan, pencegahan, dan penanggulangan kebakaran dengan menghadirkan produk-produk terkini yang kreatif dan inovatif.

Menciptakan tenaga kerja yang terampil dan berpengalaman yang mampu bekerja secara mandiri maupun tim dengan semangat kebersamaan untuk memberikan pelayanan yang paripurna.

HYDRANT EQUIPMENT

HYDRANT BOX



MODEL A1

Dimension	66 (H) x 52 (W) x 15cm (D)
Material	Mild Steel
Thickness	1.2 mm, 1.6 mm, 1.8 mm, 2 mm
Paint Finish	Powder Coating



MODEL A2

Dimension	100 (H) x 80(W) x 18cm (D)
Material	Mild Steel
Thickness	1.2 mm, 1.6 mm, 1.8 mm, 2 mm
Paint Finish	Powder Coating



BOX CUSTOM WITH BOX ESTINGUISHER

Dimension	125 (H) x 110 (W) x 20cm (D)
Material	Mild Steel
Thickness	1.2mm, 1.6mm, 1.8mm, 2mm
Paint Finish	Powder Coating



BOX CUSTOM TYPE B

Dimension	180 (H) x 80 (W) x 20cm (D)
Material	Mild Steel
Thickness	1.2mm, 1.6mm, 1.8mm, 2mm
Paint Finish	Powder Coating

HYDRANT EQUIPMENT

HYDRANT BOX



MODEL B

Dimension	125 (H) x 75 (W) x 18cm (D)
Material	Mild Steel
Thickness	1.2 mm, 1.6 mm, 1.8 mm, 2 mm
Paint Finish	Powder Coating



MODEL C

Dimension	95 (H) x 66 (W) x 20cm (D)
Material	Mild Steel
Thickness	1.2 mm, 1.6 mm, 1.8 mm, 2 mm
Paint Finish	Powder Coating

HYDRANT VALVE



SIZE 1,5" | 2,5"

Coupling	Machino/ Van Der Heyde (VDH)
Pressure	16K
Material	Brass
Finishing	Chrome
Handwheel	Aluminium

BRANCHPIPE WITH STRAIGHT NOZZLE



SIZE 1,5" | 2,5"

Coupling	Machino
Material	Aluminium/Brass
Finishing	Chrome

FIRE HOSE

PolyVinyl Chloride (PVC) Inner Lining



SIZE 2,5"

Working Pressure	13kg/cm ²
Bursting Pressure	48kg/cm ²
Weight (kg)/30m	7.30
Material	Inside = PVC Outside = Polyester

FIRE HOSE

PolyVinyl Chloride (PVC) Inner Lining



SIZE 1,5"

Working Pressure	13kg/cm ²
Bursting Pressure	48kg/cm ²
Weight (kg)/30m	4.15
Material	Inside = PVC Outside = Polyester

HOSE REEL



SWING TYPE

Size	1" x 100 Feet
Test Pressure	17,5 kg/cm
Working Pressure	10 kg/cm
Complete with stop valve nozzle and clip	

HOSE RACK



SIZE 1,5" | 2,5"

Comb	23
Material	Aluminium/Brass
Finishing	Chrome

SIAMESE CONNECTION



TYPE WALL S-7 WALL | STANDING S-11

Size	Inlet 4" Outlet 2 x 2,5"
Coupling	Machino/ Van Der Heyde (VDH)
Test Pressure	24 kg/cm ²
Working Pressure	12 bar
Material	Brass
Finishing	Chrome

HYDRANT PILLAR



SIZE INLET 4", OUTLET 2 x 2,5"

Working Pressure	12 bar
Test Pressure	24 kg/cm ²
Finishing	Red Painting
Weight (kg)	43kg

SPRINKLER



Type Pendent

K Factor	K5.6(80)
Thread Dimensions	1/2" NPT (15mm)
Response	Standard response
Finishes	Brass, Chrome
Temp. Rating	68°C(155°F)



Type Up Right

K Factor	K5.6(80)
Thread Dimensions	1/2" NPT (15mm)
Response	Standard response
Finishes	Brass, Chrome
Temp. Rating	68°C(155°F)



Type Sidewall

K Factor	K5.6(80)
Thread Dimensions	1/2" NPT (15mm)
Response	Standard response
Finishes	Brass, Chrome
Temp. Rating	68°C(155°F)

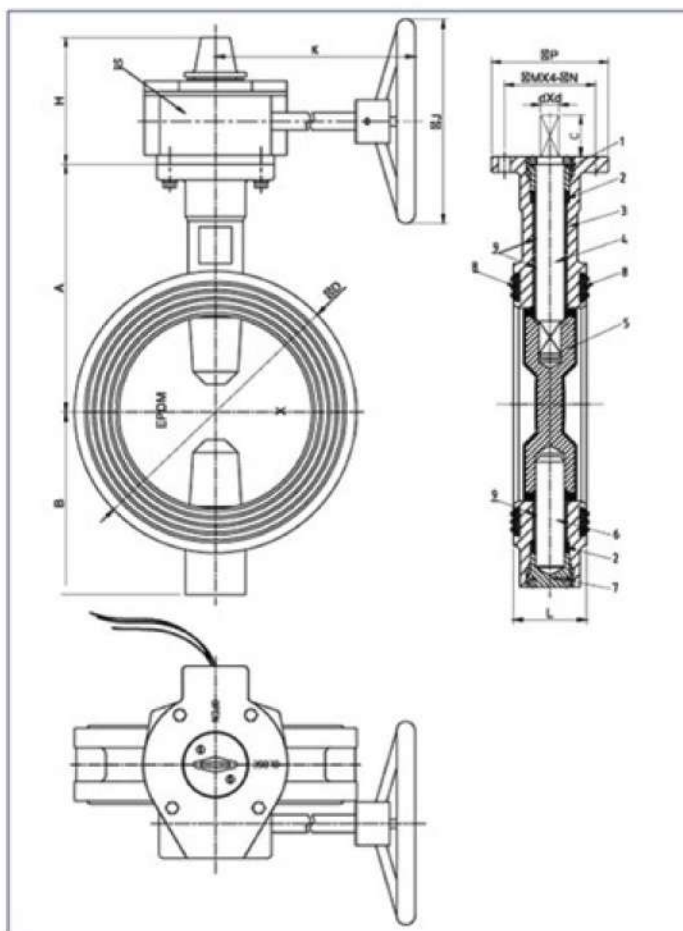


Test & Drain Valve + Sight Glass (BH-7 (6))

Inspector's test and drain unit w/On-Off Unit With Brass Sight Glass	
Brass ASTM C86710	
RB-Rough Brass	
Working Pressure 175psi	
1" NPT	

Technical Specifications:

1. Maximum Working Pressure: 300PSI(Max. Test Pressure: 600PSI)
2. Maximum Working Temperature: 250 F (120 C)
3. Application: Indoor and Outdoor Use
4. Double-Seal Disc:Resilient EPDM Coated
5. Factory Installed Supervisory Tamper Switch Assembly

**SIZE CHART**

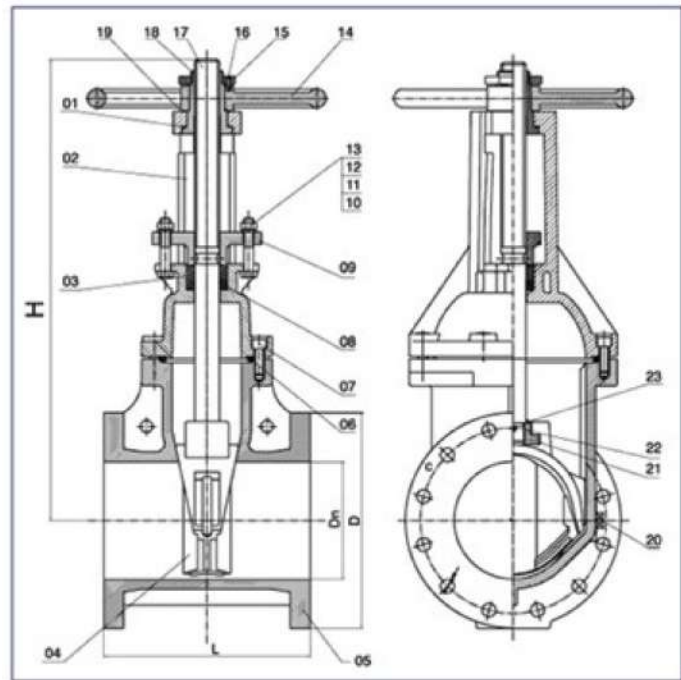
Carried Standard	
Design Standard	API609
Face to Face Standard	ASME B-16. 10
To Flange Standard	ISO 5211
Test Standard	FM112 / UL 1091

item size	A	B	C	D	H	K		J	P	M	N	d	L
2"	110	85	32	100	111	153	218	152	90	70	9	10	42
2-1/2"	125	95	32	112	111	153	218	152	90	70	9	10	44.2
3"	140	100	32	120	111	153	218	152	90	70	9	11	45.3
4"	160	100	32	161	111	153	218	152	90	70	9	14	52
5"	170	125	32	182	111	153	218	152	90	70	9	14	54.4
6"	190	140	32	216	111	153	218	200	90	70	9	16	55.8
8"	230	175	32	260	126	210	232	300	125	102	12	19	60.5
10"	260	200	45	320	126	210	232	300	125	102	12	24	66.5
12"	300	240	45	375	161	249		350	125	102	14	26	76.9

10	Signal Gearbox	DI
09	Stem Bushing	PTFE
08	End Face Seal	EPDM
07	Lower Shaft Sealing Nut	WCB
06	Lower Shaft	SS416
05	Disc	DI + EPDM
04	Upper Shaft	SS416
03	Body	DI
02	Shaft Seal	EPDM
01	Upper Shaft Sealing Nut	WCB
NO.	Name	Material

Technical Specifications:

1. Design Standard: AWWA C515
2. Nominal Pressure: 300PSI
3. Flange standard: ASME/ANSI B16. 1 Class 125 or ASME/ANSI B16. 42 Class 150 or BS EN1092-2 PN16 OR GB/T9113. 1
4. Epoxy resin coating both inside & outside the body

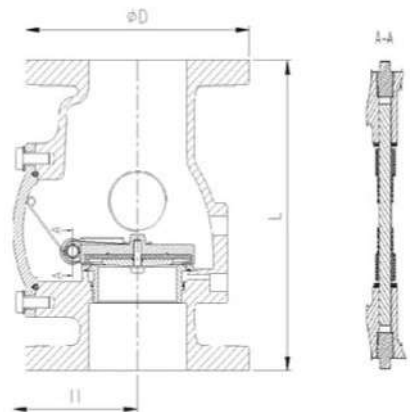
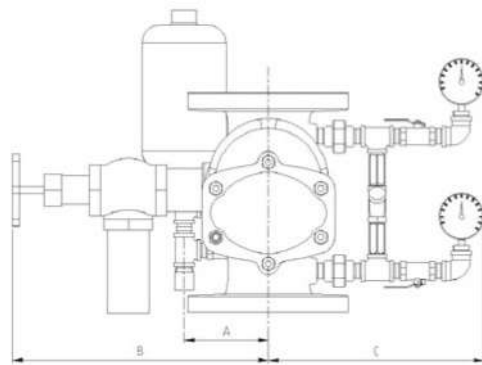
**SIZE CHART**

item size	2-1/2"	3"	4"	5"	6"	8"	10"	12"
Dn	65	80	103	128.5	155	204	225	304
L	190	203	229	254	267	292	330	356
D	178	191	229	254	279	343	406	483
N	370	420	447	547	507	754	890	1031

23	Sealing Ring	1	EPDM
22	Pin	1	S.S.304
21	Lifting Nut	1	CF8M
20	Plug	2	C95400
19	Gasket	1	C95400
18	Stem Nut	1	S.S.304
17	Stem	1	S.S.304
16	Locating Screw	1	S.S.304
15	Lock Nut	1	C95400
14	Handwheel	1	DI
13	Spring Washer	2	Steel
12	Bolt	2	Steel
11	Flat Washer	2	Steel
10	Nut	2	Steel
09	Gland	1	DI
08			
07	Bolt	m	Steel
06	Sealing Ring	1	EPDM
05	Body	1	DI
04	Disc	1	DI+EPDM
03	Packing	3	GRAPHITE
02	Bonnct	1	DI
01	Gasket	1	C95400
NO.	Name	Qty	Material

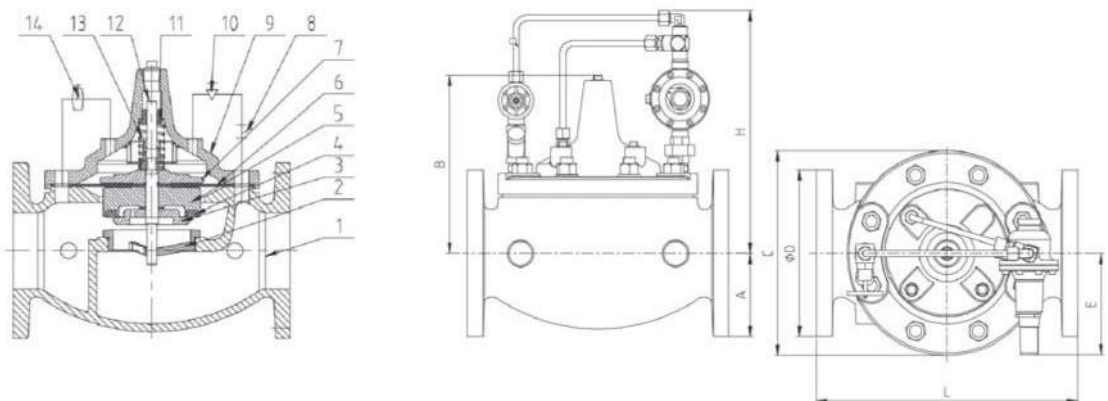


Name of parts	Material
Body	EN-GJS-500-7
Cover	EN-GJS-500-7
Disc	Bronze
Seat ring on body	Stainless Stell 304
Seal	EPDM
Shaft	Stainless Stell 304
Bearing bush	Brass
Spring	Stainless Stell 304



Dimensions		Pressure rating	Size (mm)						
DN	inch	psi	ΦD	L	H	A	B	C	E
80	3	300	190	283	120	120	296	300	238
100	4	300	229	305	127.5	120	365	305	182
150	6	300	280	394	182	120	402	330	218
200	8	300	345	457	214	120	424	365	248

No.	Name of parts	Material
1	Body	Ductile Iron AS1831 500-7
2	valve seat	Stainless Steel 304
3	Valve plate	Stainless Steel 304
4	seal gasket	EPDM AS1646
5	valve disk	Ductile Iron AS1831 500-7
6	diaphragm	EPDM+Nylon
7	Diaphragm plate	Ductile Iron AS1831 500-7
8	Filter	Stainless Steel 304
9	Valve cover	Ductile Iron AS1831 500-7
10	Needle	Stainless Steel 304
11	Guiding plug	Stainless Steel 304
12	Valve shaft	Stainless Steel 304
13	Spring	Stainless Steel 304
14	Pilot-Relief valve	Stainless Steel 304



Dimensions		Pressure rating	Size (mm)						
DN	inch		ΦD	L	H	A	B	C	E
50	2	300	150	230	294	82.5	152	155	134
65	2-1/2	300	180	290	298	92.5	170	190	134
80	3	300	190	310	310	100	197	233	134
100	4	300	230	350	320	110	234	270	134
150	6	300	280	480	352	158	311	378	134
200	8	300	345	600	382	190	377	496	134

FR-RP-03S FR-RP-03E

Addressable Fire Alarm Control Panel

ISO9001

Approvals : CE



■ ADVANTAGES

- 5-inch colour touchscreen operating interface, with LCD backlight power-saving function.
- Fire, Gas displays and speakers for easy identification of different signals.
- LCD Display with two separate areas show fire and other information on time.
- Overview: Data of Alarm/Operation/Communication/ Output devices status/Addressable devices / Interlock list etc.
- Communication and circuit L+ L- error detection.
- Detection device two-stage delay function (delay time can be set individually).

■ SPECIFICATION

MODEL NO.	FR-RP-03S	FR-RP-03E
LOOP CAPABLE	256 ADD / LOOP (max. 8 LOOPS)	256ADD / LOOP
POWER INPUT	AC220V 50 60Hz	
POWER CONSUMPTION	Main panel monitoring (Max):530mA Communication board (per loop) Monitoring (Max):380mA	
COMMUNICATION CABLE	Internal resistance of communication cable < 12Ω , PE insulation wrapping of 500V communication cable > 2MΩ	
COMMUNICATION LOOP	Communication Loop 256 Points / loop , DC24V 25mA/loop provided for conventional detectors	
DISPLAY	5' color LCD display with easy operation interface	
EVENT LOG	History message (max.31000)	
AUDIO HOM	Built-in electronic buzzer/90dB DC24V 50mA	
BATTERY BACKUP	DC24V	
POWER OUTPUT	Alarm bells, indicators lamps, horns, gates, DC24V 10A MAX	
PRINTING	Built in thermal printer in English(optional)	None
RELAY OUTPUT	Alarm, trouble, reset Both NO, NC	Alarm, trouble Both NO, NC
DIMENSIONS	495×300×120mm (HxWxD)	495×300×120mm (HxWxD)
THICKNESS / PAINTING	1.2mm powder coated	

FR-07

Addressable Fire Alarm Annunciator

ISO9001

Approvals : CE



■ ADVANTAGES

- 5-inch colour touchscreen operating interface, with LCD backlight power-saving function.
- Fire, Gas displays and speakers for easy identification of different signals.
- LCD Display with two separate areas show fire and other information on time.

■ SPECIFICATION

MODEL NO.	FR-07
POWER SUPPLY	DC24V
POWER CONSUMPTION	220AC
COMMUNICATION	RS-485 provides communication to the panel network
AUDIO HORN	Built-in electronic buzzer/90dB DC24V 50mA
DISPLAY	5 inch color LCD display with Chinese/English
TEMPERATURE / RH	0°C -40°C ` less 95% RH/ non-condensing
DIMENSION	360x300x120mm (WxHxD)
MATERIAL	1.2mm polished plate

FR-P1

Fire Alarm Control Panel

ISO9001

Approvals : CE



■ ADVANTAGES

- * Zone range is from 5 to 100 zones
- * 2 stages accumulation function to prevent from false alarms
- * With no voltage output contacts and voltage contacts
- * The unit also can combine with our broadcast host and emergency telephone into 3-in-1 system for multipurpose

■ ADVANTAGES

MODEL NO.	Wall Mounting Type					
CIRCUIT NO.	5L - 10L	15L	20L	25L - 30L	35L - 40L	45L - 50L
H (mm)	400	495	580	520	580	700
W (mm)	300	300	300	480	480	480
D (mm)	120	120	120	180	180	180

■ SPECIFICATION

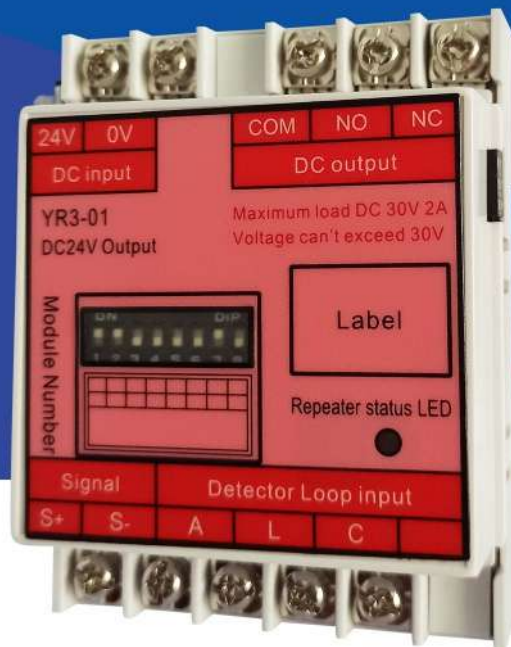
MODEL NO.	FR-P1	CURRENT VOLTAGE	Under DC26V 450mA, fixed voltage trickle charging
POWER SUPPLY	AC 110V 50/60Hz, AC220V 50/60Hz	CHARGING CURRENT	Under DC26V 450mA, fixed voltage trickle charging
STAND-BY BATTERY	24V DC	DETECTORS	No limitation for the number of Conventional Rate of Rise Heat Detectors / Fixed Temperature Heat Detectors. A maximum of 30 smoke detectors (DC24V 40μA) can be connected to a loop.
EOL RESISTOR	10KΩ		
EXTERNAL CIRCUIT RESISTANCE	Circuit impedance 50Ω or less, impedance to ground 20Ω or more	NO. OF INDICATORS	1.2 times of panel loop (LED indicator light)
NO. OF BELLS	1.2 times of panel loop	CASE MATERIAL	Steel plate with powder coating
MAIN AUDIO	Monotone buzzer (over 85dB at 1 meter away)	REPORT CONTACT	Non-voltage NO contact capacity AC250V 7A X 2 sets

FR-RI-01 B

Addressable Module

ISO9001

Approvals : CE



■ ADVANTAGES

- Equipped with status indicators for three states: monitoring, action and error.
- Applies binary DIP switch allowing for easy setting of addresses.
- Dual-wire multi-transmission technology.
- Stable communication, resistant to noise and interference.
- Self-testing function for disconnected and active states.
- Expandable with smoke detectors, rate of rise heat detectors and fixed temperature detectors without the need for external power.
- Signal display method:
 - Action: Red light on.
 - Disconnected: Red light flashing.
 - Monitoring: The red light flashes every 2.5 seconds

■ STRUCTURE

MODEL NO.	FR-RI-01 B
FUNCTION	1 input/ 1 output
RELAY OUTPUT	DC 30V / 2A {MAX}
INPUT DETECTION	Smoke, ROR heat detector, fixed temperature contact (L, C)
COMMUNICATION LINE IMPEDANCE	Internal impedance below 10 Ω / trunk line
TERMINAL	Addressable resistor R-type designated E.O.L
STATUS INDICATION	Monitoring: RED LED blinking Alarm: RED LED ON Broken Circuit: RED LED blinking
TEMPERATURE / RH	0°C ~50°C, less 95% RH, non-condensing
DIMENTION	59.8(W)x80(L)x32.5(H) mm
MATERIAL	Flame resistant plastic

Addressable Detector

ISO9001

Approvals : CE

FR-RD-04



FR-RD-01/02



FR-RD-03



■ ADVANTAGES

- * Dual-wire multi transmission.
- * Uses binary addressing coding thumb wheel switch.
- * Expandable conventional detector.
- * Can automatically return to the original state and be reused after an action is completed.

■ SPECIFICATION

ITEM	SPECIFICATIONS		
Model Number	FR-RD-03	FR-RD-04	FR-RD-01
Product Name	Surface-mounted addressable rate of rise heat detector	Surface-mounted addressable fixed temperature heat detector	Surface-mounted addressable photoelectric smoke detector
Number of Sensitivity Settings	Two types	One type	Two types
Functions	♦ High sensitivity to rapidly rising temperatures during fires. ♦ Based on mechanical movement for long term durability and minimal failure rate. ♦ Uses high-quality components to ensure reliable performance.	♦ Uses UL certified temperature probe, stable quality and very reliable. ♦ Sealed sensor unit to avoid moisture and dust from entering and affecting its capabilities. ♦ Highly inductive pure silver electrical contacts.	♦ Photoelectric induction principle, highly stable while being fast and accurate and not subject to malfunctions resulting from chemical, gas leakage or external light sources. ♦ Equipped with an insect-proof netting, with an aperture of 0.5mm, that allows smoke to flow smoothly while preventing insects and dust from entering. ♦ This detector is not radioactive, is harmless to humans and animals.
Working Environment	0°C~50°C Relative humidity of below 95%	-10°C Nominal operating temperature lowered by 20°C	0°C~50°C Relative humidity of below 95%
Communication Line Impedance	Internal impedance below 10 Ω / trunk line		
Material	Flame resistant plastic		
Dimensions	108 $\varnothing$ × 43(H) mm	108 $\varnothing$ × 46(H) mm	108 $\varnothing$ × 47(H) mm
Remark	Includes R-type-designated E.O.L		



FR - WT32L

Photoelectric Type Smoke

ISO9001

Approvals : CE

■ ADVANTAGES

- * With the photoelectric sensing principle, this kind of detector is activated more quickly, accurately and reliably, and there are no false alarm due to chemicals, exhaust gas, wind and exterior light
- * Detector has passed EMC test, which greatly eliminates false alarms caused by interference from nearby sources
- * Duo-LEDs display separately; Stand-by status: Green:
Alarm status: Red

■ SPECIFICATION

MODEL NO.	FR-WT32L	SENSITIVITY SETTING	Comply to EN54, CNS
TYPE	2-wire	AMBIENT TEMP.	0°C~+50°C
VOLTAGE RANGE	DC24V	AMBIENT HUMIDITY	0~95%
ALARM CURRENT	25mA	MATERIAL	Fire-Proof plastics
		DIMENSIONS	101(Dia)x45.84(H) mm
STANDBY CURRENT	Less than 35 μ A	WEIGHT	138g
POLARIZATION	Non-polarized	COLOR	White
ADVANTAGE	Applies to model nos FR - WS32L FR - WK200L and FR - WT32L		

■ EFFECTIVE ALERT AREA

HEIGHT/ CONSTRUCTION	UNDER 4 M	4 M ~ 20 M
AREA COVER	150 M ²	75 M ²



FR - WT33L

Photoelectric Type Smoke

ISO9001

Approvals : CE

■ ADVANTAGES

- * Dual LEDs for 360-degree visibility. Bi-color LEDs, stand-by status: Green; Alarm status: Red
- * With the photoelectric sensing principle, this kind of detector is activated more quickly, accurately and reliably, and there are no false alarm due to chemicals, exhaust gas, wind and exterior light
- * Detector has passed EMC test, which greatly eliminates false alarms caused by interference from nearby sources
- * Pretty and jointless outward

■ SPECIFICATION

MODEL NO.	FR-WT33LR		SENSITIVITY SETTING	Comply to EN54, CNS
TYPE	3-wire		AMBIENT TEMP.	-10°C~+55°C
VOLTAGE RANGE	12V ~ 30V DC Fire Alarm System		AMBIENT HUMIDITY	0~95%
			MATERIAL	Fire-Proof plastics
CONTACT RATING	N/A	1 A @30V DC	DIMENSIONS	101 (Dia.) x 49 (H)mm
ALARM CURRENT	24V DC 30mA		WEIGHT	138g
STANDBY CURRENT	24V DC / 25 μA Below		REMARK	Apply to base model no. CM-BSN3 & BSN3T
POLARIZATION	Non-polarized	Polarized		
		Non-polarized		
WEIGHT	131g			

■ EFFECTIVE ALERT AREA

HEIGHT/ CONSTRUCTION	UNDER 4 M	4 M ~ 8M
AREA COVER	150 M ²	75 M ²



FR - WK200L

Fixed Temperature Heat Detector

ISO9001

Approvals : CE

FR - WS25L

Rate of Rise Heat Detector

ISO9001

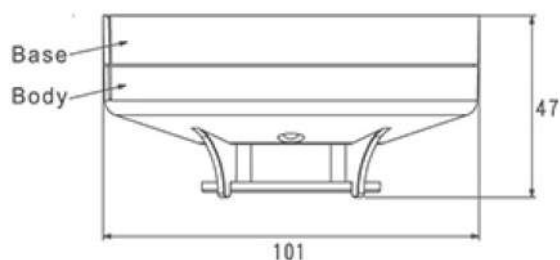
Approvals : CE



■ ADVANTAGES

FR - WK200L

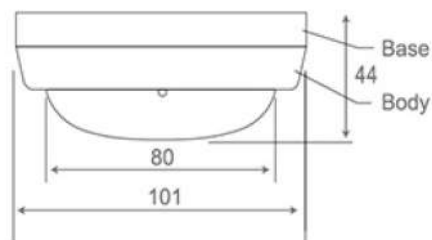
- * Stabilized performance, long-term durability and least-malfunction are ensured by employing a UL approved sensor
- * The sensitive part is enclosed to prevent from being moistened and contaminated
- * Self-restoring function ensures the elements repeatedly use



■ ADVANTAGES

FR - WS25L

- * Mechanical operating principles ensure the long-term durability and the least malfunction
- * Self-restoring function ensures the elements repeatedly use
- * The exhaust valve of R. O. R. Heat Detector part uses optical fiber glass capillary tube that's heat-resistant and moisture-proof to avoid false alarms



■ SPECIFICATION

MODEL NO.	FR-WK200L/FR-WS25L	AMBIENT TEMP.	-10°C~+55°C
TYPE	2-wire	AMBIENT HUMIDITY	0 ~ 95%
VOLTAGE RANGE	12V ~ 30V DC	VOLTAGE RANGE	Fire-Proof plastics
ALARM CURRENT	24V DC 30mA	ALARM CURRENT	101 (Dia.) x 47(H)mm
POLARIZATION	Non-polarized	POLARIZATION	100g
ALARM TEMP.	Comply to EN54, CNS	ALARM TEMP.	White

■ EFFECTIVE ALERT AREA

HEIGHT/CONSTRUCTION	Under 4M	4M ~ 8M
Fire-Proof Building	90 M'	45 M'
Ordinary Building	50 M'	30 M'

■ EFFECTIVE ALERT AREA

HEIGHT/CONSTRUCTION	Under 4M	4M ~ 8M
Fire-Proof Building	70 M'	35 M'
Ordinary Building	40 M'	25 M'



FR - WS14LR

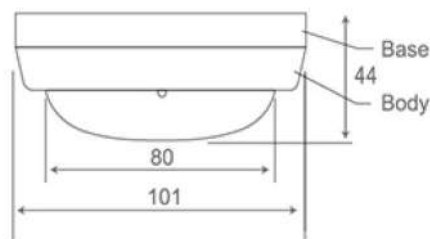
Rate of Rise Heat Detector

ISO9001

Approvals : CE

■ ADVANTAGES

- * Dual LEDs for 360-degree visibility
- * Mechanical operating principles ensure the long-term durability and the least malfunction
- * Self-restoring function ensures the elements repeatedly use
- * Electrical contacts with Silver-palladium alloy to conduct electricity excellently
- * The exhaust valve of R.O.R Heat Detector part uses optical fiber glass capillary tube that's heat-resistant and moisture-proof to avoid false alarms



■ SPECIFICATION

MODEL NO.	FR-WS14LR		SENSITIVITY SETTING	Comply to EN54, CNS
TYPE	3-wire		AMBIENT TEMP.	-10°C ~ +55°C
VOLTAGE RANGE	12V ~ 30V DC		AMBIENT HUMIDITY	0 ~ 95%
ALARM CURRENT	24V DC 30mA		MATERIAL	Fire-Proof plastics
POLARIZATION	Non-polarized	Polarized	DIMENSIONS	101 (Dia.) x 49 (H)mm
WEIGHT	131g		COLOR	White
REMARK	131g			

■ EFFECTIVE ALERT AREA

HEIGHT/ CONSTRUCTION	UNDER 4 M	4 M ~ 8M
Fire-Proof Building	70 M ²	35 M ²
Ordinary Building	40 M ²	25 M ²

FR-RL1

Remote Indicating Lamp

ISO9001

Approvals : CE



■ ADVANTAGES FR-RL1

- * This unit is designed to ensure the alarm signal can be actually transmitted to all locations
- * To prevent any missing signal specially for the close room

■ SPECIFICATION

MODEL NO.	FR-RL1
VOLTAGE RANGE	Power Source from Detector Base
ALARM CURRENT	60 mA
AMBIENT TEMP.	12 mA
MATERIAL	-10° C ~ +55° C
WEIGHT	28g
DIMENSIONS	86(W)x86(D)x60(H)mm
COLOR	White



FR-FB6 FR-FB612

Fire Alarm Bell 6 Inch

ISO9001
Approvals : CE RoHS



FR-FL1

Fire Indicating Lamp

ISO9001
Approvals : CE

■ ADVANTAGES FR-FB6

- * The way of motor-driven is taken at the low consumption of current to reduce the load for power output from receiver terminal
- * This design of exceptional structure is sturdy and durable. The bell oven can ring to last 40 hours without decline of the performance and structure

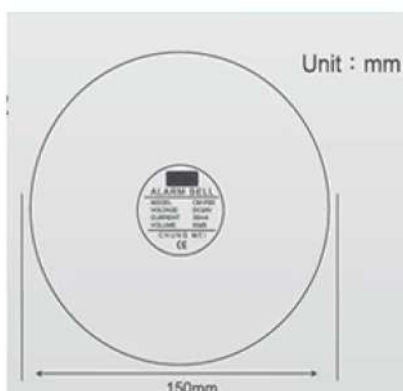
■ SPECIFICATION

MODEL NO.	FR-FB6	FR-FB6 12
VOLTAGE RANGE	24V DC	12V DC
ALARM CURRENT	13 mA	60 mA
MOVEMENT	Motor	
MATERIAL	3.0 Alloy Alu	
DIMENSIONS	Φ6" (150mm)	
WEIGHT	418g	
SOUND OUTOUT	90 dB / M and Above	
COLOR	Red	

■ ORDER INFORMATION

FR-FB6	Φ6" : 24V DC
FR-FB612	Φ6" : 12V DC

■ FR-FB6 FR-FB612



■ ADVANTAGES FR-FL1

- * Plug-in type of termination for ease of nstallation
- * Highly visible
- * SMD LED give high brightness while it has lower power consumption

■ SPECIFICATION

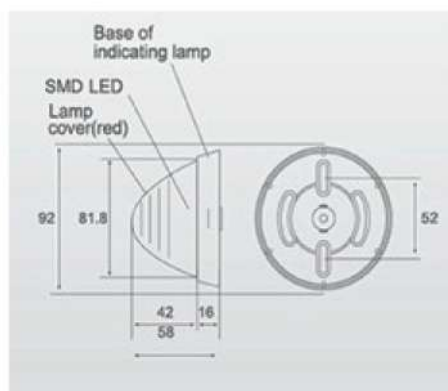
MODEL NO.	FR-FL1
POWER SOURCE	24V DC
ALARM CURRENT	12 mA
AMBIENT TEMP.	- 10°C~+55°C
MATERIAL	Fire-Proof plastics
WEIGHT	52g
DIMENSIONS	Φ92 x 58(H)mm
COLOR	Red

■ LAMP ACCESSORIES



FL10:
Only for FR-FL1 Use

■ FR-FL1





FR-FP3

Fire Manual Call Point

ISO9001

Approvals : CE

FR-FPB

Fire Manual Box

ISO9001

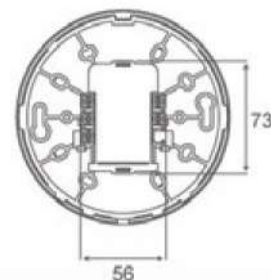
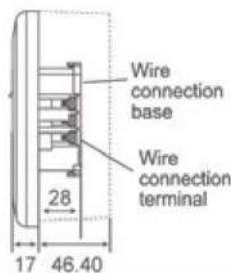
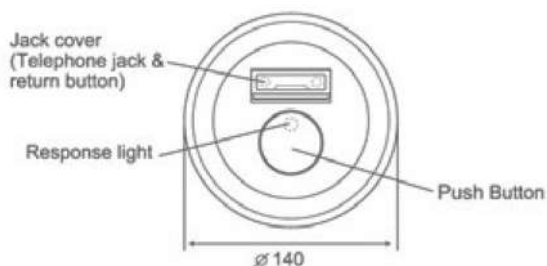
Approvals : CE



■ ADVANTAGES of FR-FP3

- * Reusable: No glass to break. No consumables. Durable plastic push cover is reusable.
- * Easy auto-reset: By pushing reset button to return to normal working condition.
- * Phone jack function: For stable communication in any urgent time.

■ FR-FP3



Unit : mm

■ SPECIFICATION

MODEL NO.	FR-FP3	FR-FPB
VOLTAGE RANGE	24V DC	
ALARM CURRENT	30 mA	—
CONTACT RATING	24V DC 100mA	—
SUB-FUNCTION	Phone jack : Confirmation LED Reset button	—
MATERIAL	Fire-Proof plastics	
DIMENSIONS	140 (mm)	86(L) x 8(W) x 50(H)mm
WEIGHT	149g	129g
COLORS	Red	

FR-FAS1

Fire Alarm Strobe



SPECIFICATION:

MODEL NO.	FR-FAS1
OPERATION VOLLEGE	DC 24V
COLOR	RED
FLASH RATE	65 Flashes/min
SOUND OUTPUT	≥ 100 dB
WORKING CURRENT	80 ~ 180 mA
FLASH INTENSITY	$\geq 1,2$ ws
LIFE OF FLASH LIGHT	≥ 40000
TEMP RANGE	- 10 ~ +50°C
DIMENSIONS	123 x 75 x 35 mm
HUMIDITY RANGE	$\leq 95\%$ RH

INSTALLATION:

- 1, At first, get into hole well in the install place(wall), the hole distance is (10)65MM/(11)85MM, installs the plastics and swell Stopper, (if thw wall is the wooden material, can be by attacking the screw and fastening by oneself directly);
- 2, connect DC12/24V power and network link, and set up a kind of alarm sound well according to the need;
- 3, specialize in screw by oneself with two, fix the alarm to install in the place, tighten the screw alarm



FR-220A

Household Gas Leak Detector

FR-12D

Household Gas Leak Detector

■ ADVANTAGES

- * Excellent Stability
- * Super High Sensitivity
- * Detector With Base Installation Easily
- * Detecting Various Gases: Flammable Gases (LPG, LNG)

■ OPERATION:

MODEL NO.	FR-220A / FR-12D
POWER ON (WARM UP)	Alarm LED is Green
STANDBY	Alarm LED is OFF
SENSING INDICATION	Red LED is ON
SENSING ALARM SOUND	Bi-sound without intermittence
SIGNAL OUTPUT	Relay signal output optional
INSTALL LOCATION	1. Near the ceiling within 1 feet for LNG (methane) city gas 2. Near the floor within 1 feet for LPG (propane, butane)

* Remark: for avoid broking the sensor, if necessary testing, should be used by low concentration gas. Please do not test within warm-up time.

■ SPECIFICATION

SENSOR	New Nano Tech	ALARMING RANGE	±6% LEL
INITIAL STABILIZATION	Within 3 minutes	HUMIDITY RANGE	< 95% RH.
RESPONSE TIME	Within 20 seconds	OPERATING VOLTAGE	220 V AC / 12 V DC
ALARM	Safe Home	OPERATING TEMP.	-10 ~ 50°C
POWER CONSUMPTION	Standby Max. 2W Standby Max. 120 mA Alarming Max. 3W Alarming Max. 150 mA	POLARIZATION	Self extinguishing ABS 768, UL 94v0
DIMENSION	115mmx72mmx43mm (HxWxD)		

■ ALARMING TREATMENT

1. Don't touch any electrical switch
2. Open windows and doors carefully, should be taken to ventilation
3. Check the cause of leaks (gas appliances, gas hoses or outlets and what other suspicious)
4. Unless Buzzer stops, call Gas Company

FR-9105R

Reflective Beam Detector



■ ADVANTAGES

- * Reflective Beam Detector is a reflective infrared beam smoke detector, which must be used together with reflectors. The number of reflector(s) to be used (1 of 4) depends on the distance of coverage from the detector
- * With built-in microprocessor, the detector has capabilities of analysis and judgment. The detector can automatically carry out system adjustment & compensation due to variations in ambience data, through fixed algorithm with indications by LED and signal through the output terminals.
- * The detector sensitivity can be field adjustable, to increase the range of application.
- * The detectors can be used with both Conventional Fire Alarm Panels, and our GST range of Addressable Fire Alarm Panels

■ STANDARD ACCESSORIES

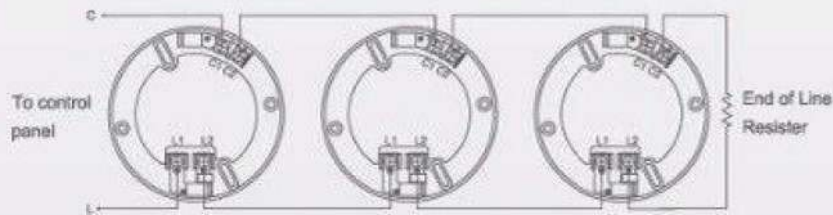


■ SPECIFICATION

MODEL NO.	FR-9105R	WIRING	Non-Polarized Two-Core 24VDC Non-Polarized Two-Core Detection Loop
OPERATION VOLTAGE	24VDC (Range 15VDC to 28VDC)	OPERATING ENVIRONMENT	Temperature Range : - 10°C - +50°C Relative Humidity : ≤ 95%
OPERATING CURRENT	Standby Current : ≤ 8mA Alarm Current : ≤ 12mA	DIMENSIONS	206mm (Ht) x 95mm (W) x 95mm (D)
DETECTION RANGE	Distance from 8m to 100m	WEIGHT	450g
MONITORING AREA	Maximum Area : 14 x 100 = 1400m ² Maximum Width : 14m ²	MATERIAL	ABS Plastic
		COLOR	Grey & Black

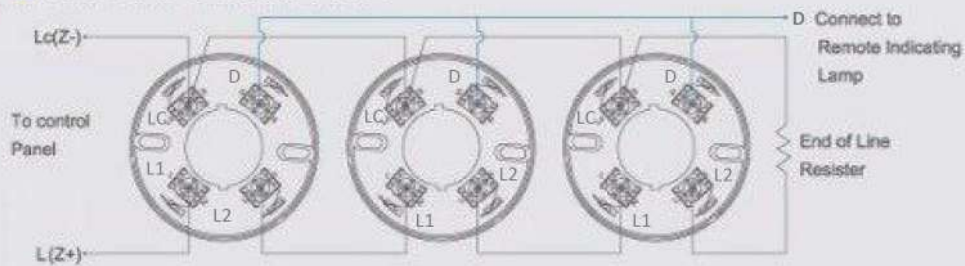
FR-BSN2

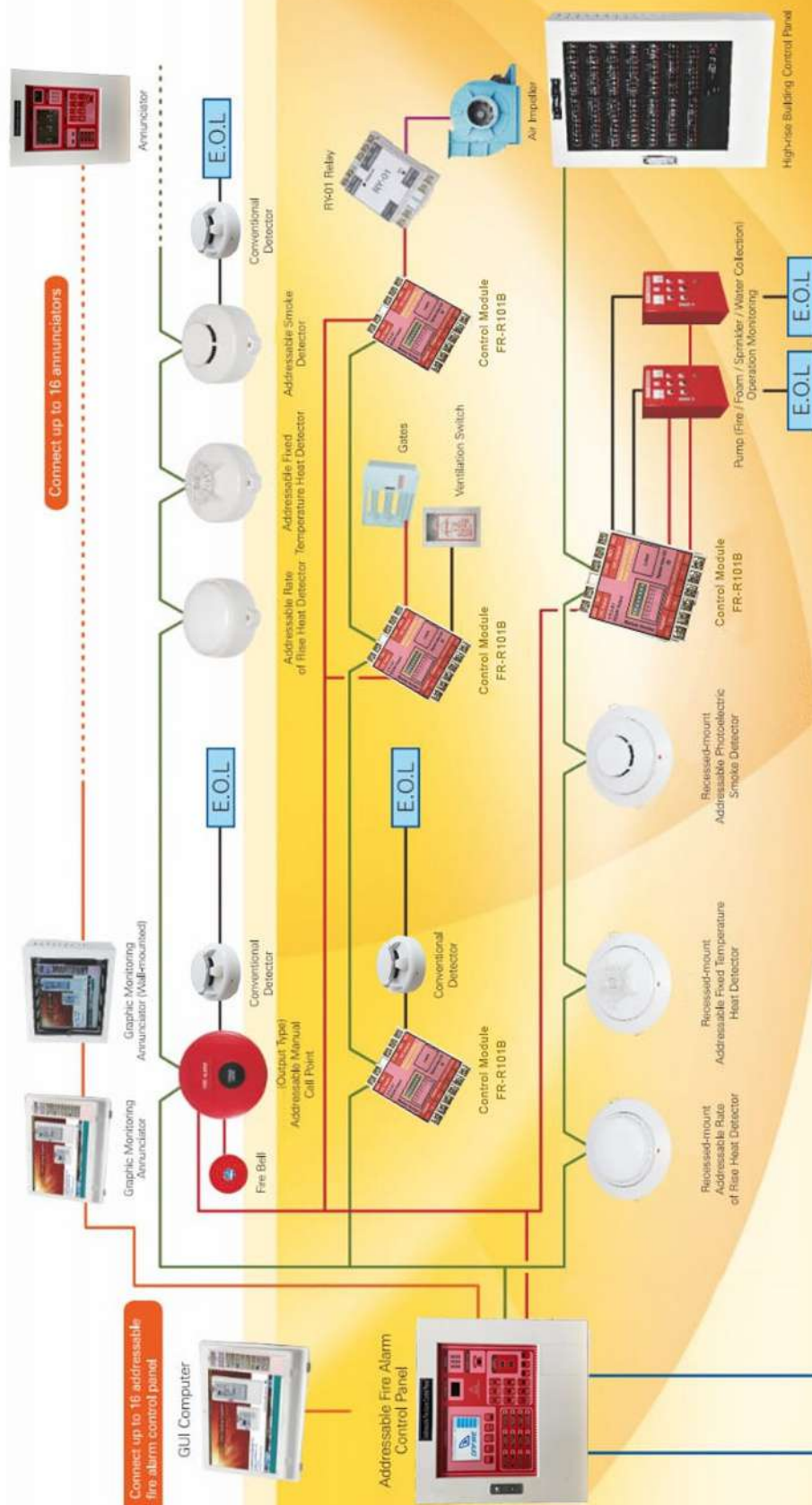
■ FR-BSN2 2-WIRE TYPE (FOR SIMPLE ANGEL SERIES)



FR-BSN2

■ FR-BSN3 3-WIRE TYPE



1.25Ømm² × 2C shielded twisted line

PT Global Mitra Proteksindo

Fire Protection & Safety Equipment

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