

FF - 400 Fix & Forget

Protect your Life and Property

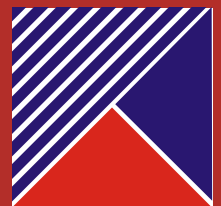
Gas Detection System



H₂
HCN CO
LPG H₂S
NH₃
O₂ CH₄ O₃
Cl₂

- Very low maintenance
- High-sensitivity Sensor
- Alarm at fraction of LEL / TLV
- Very long life 5 to 10 years
- Scalable Model 1 to 10 channels
- Water proof, Dust-tight IP66, FLP enclosures
- Aesthetical Looks
- No false alarm

Gas Detection - The most reliable way



PRISM

FF- 400 - Fix & Forget

This is a unique gas detection system requiring no prior knowledge or experience. It is very easy to install & use. It does not require any calibration at the time of installation and requires only once a year recalibration. This is aptly named as

Fix & Forget. This system has proven itself by its history of successful operation all over India in diverse operating environments for over 10 years. System design ensures minimum interferences from electric noise, temperature, humidity and pressure.



Monitor/ Alarm Unit

Capacity	Up to 10 channels
Power Supply	Universal AC input 100-250 AC, 50/60 Hz
Power Consumption	1.5 W/channel-normal operation
Output	Driver for Auto shut-off valve, Suction Pump, Annunciation Panel etc.
Enclosure	ABS, IP65 weather-proof
Indication	Alarm - 1 Red LED /Channel Pilot - 1 Green LED
Warm up time	< 5 minutes
Response Time	Very quick (depends upon target gas)
Size (Wx H x D)	250x250x150 (mm)
Alarm Type	Auto-resetting
Alarm level	Factory preset - PPM, fraction of LEL/TLV
Operating Temp.	-10°C to 50°C

Detector Unit

A field replaceable unit complete with Gas Sensor, Terminal/Junction Box and Gland etc. available in following application based configurations:

- A i) **Diffusion:** Suitable for open air monitoring. Gas flows under natural convection
- ii) **Suction:** Suitable for inaccessible or adverse areas where sensors can't be mounted at point of leak. This unit can be mounted upto 10 mtrs. away. Gas sample is sucked by a micro-pump through 1/4" tube
- B i) 2-wire DU can be placed upto 50 meters away
- ii) 3-wire DU can be placed upto 300 meters away
- C i) WP enclosure suitable for open air non hazardous areas. ABS enclosure with IP66 protection
- ii) FLP enclosure Suitable for classified hazardous areas. LM-6 alloy enclosure certified for IIA/IIB/II C gas groups. IP55 protection

Sensor

Single most important and expensive component. Total system reliability and effectiveness depends upon this. It is important to use right sensor based on application

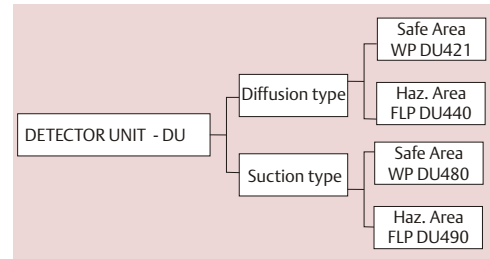
- All sensors of high sensitivity (semiconductor/electrochemical)
- All sensors are sourced from ISO 9001 certified manufacturers of international repute
- All sensors are carefully selected for the target gas and do not respond to other interfering gases
- Very low warm up and response times
- Expected life 2 to 10 years (depending upon sensor type)
- All sensors are housed in appropriate housing and assembled for enhanced safety and environment protection

Applications

LPG/LNG users, Gas Banks, Hotels, Flight Kitchens, Industrial Canteens, Godowns, Shopping malls, Laboratories, SSI Units, Textile Industries etc.

Optional Accessories

- HPS100 - High Pitch Sounder. Open area type 110 dB output
- HF100 - Indoor Hooter Flasher, 85 dB, bright flasher for indoor use
- HF200 - Outdoor Hooter Flasher, 115 dB, Hi brightness flasher for outdoor use
- Splash Guard - Sensor accessory to protect it from liquid splashes, dust and high speed winds
- Battery Back-up - SMF / NiMH batteries and automatic charger provide upto 30 mins of normal operation
- Auto shut off valve - Solenoid valves for upto 1.5" pipe size
- Relays - Any number of relays of 1 c/o 1 Amp. rating can be provided
- Stand for floor mounting
- Canopy for rain protection



DU 440	DU 421	HPS 100	HF 200
Size 190x 154x95mm	Size 125x 83x 55 mm	Size 210x 120x80 mm	Size 195x 149x60 mm
Wt. < 1.5 Kg. FLP/WP IP 55 CCE and BIS certified	Wt. < 500gms. WP IP 65	Wt. < 500 gms IP 65	Wt. < 500 gms 115 dB 5 W lamp

Specifications subject to change without notice



Prism Electronics Pvt Ltd

213, Oshiwara Industrial Centre, New Link Road, Goregaon (W), Mumbai - 400104
Tel.: 28761387 / 28778974 Fax: (91-22) 28766116 • Email: prism@lpgsafety.com

Delhi : Tel / Fax : 91-11-2525 5403

Website : www.lpgsafety.com

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Protecting Your Business Is Our Business