

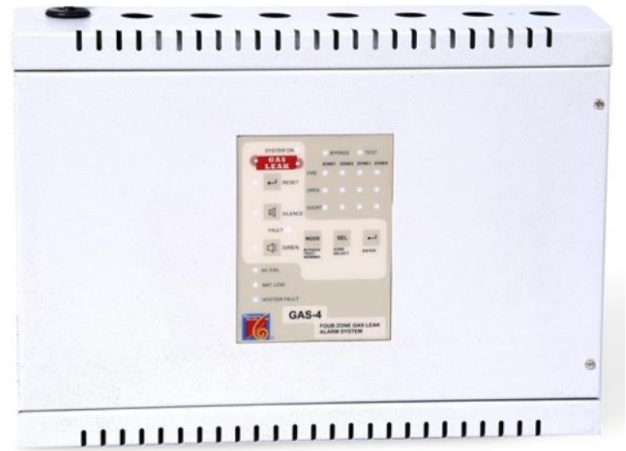
## GDS-4

### 4 Zone Conventional Gas Detection System

(Family-Gas)

#### Product Description:

- Vighnaharta GDS-4 zone gas detection system is basically a conventional 4-zone system to protect home as well as commercial premises
- Two-zone gas detection system is capable of monitoring gas detection devices, like as gas detectors and providing alarm.
- The detector goes into alarm condition due to gas or heat detection. Early gas detection depends on having adequate number of detectors placed at appropriate locations.
- The gas detection system should be installed properly to provide adequate protection.
- Every installation is evaluated by a security professional to ensure that all access points and area are covered.



#### Application:

- LPG/PNG/CNG gas storage stations, plant locations
- LPG bullets and banks
- Hotel kitchens, industrial canteens
- Gas filling stations

#### Product Features:

- Dual LED gas detection indication
- Touch capacitive keypad
- Gas control valve output
- Low battery indication
- Battery disconnect indication
- AC fail indication.
- Make in India product.

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### Technical Specifications:

<b>Electrical specifications</b>	
Power supply	1) 230 VAC + / - 10 %, 50 Hz. 2) 12 V DC (6 V, 4.5 Ah x 2) Rechargeable battery backup.
Power consumption	Less than 2 w
Cable	4 core 1.5 mm 2 twisted FRLS cable
Battery backup	Up to 08 Hr
<b>Environmental specifications</b>	
Operating temperature	-10 <sup>0</sup> to +50 <sup>0</sup> C
Storage temperature	-10 <sup>0</sup> to +60 <sup>0</sup> C
Humidity	5 to 95% Rh
<b>Mechanical specifications</b>	
Cabinet material	MS- Powder coated: RAL 7035 Texture- Thickness 1mm
Cable entry	Double compression cable gland (Ex-Proof), ¾" ET-Type
Dimensions	200 x 250 x 80mm (H x W x D)
Mounting	Wall mounting/ Stand mounting
Weight	Approx. 1.5 kg. (without battery)
<b>Input and output signal</b>	
Input signal	1) 4 Zone (Current sensing analogue inputs, provision is made for 4 zone inputs with 600-ohm end of line resistor.)
Operator inputs	1) 6 Keys keypad. 2) Key lock input
Output signal	1) Relay output for siren. 2) Audio buzzer indication for various status 3) Relay output for access control.
<p>Panel has a potential free relay output siren for audio gas alarm indication. Other LED indications for sensors are open, short, bypass and gas. Zone bypass facility is available with separate key for each zone. All the keys are disable by using a key lock arrangement. When the gas is detected by any one of the gas detectors within a zone alarm should be activated</p>	
<b>LED indications</b>	
<p>After power on reset, system will initialize and will be indicated by a blinking test LEDs two times with two beeps of buzzer.</p>	
1) LED indication: There are LEDs to indicate system status	1) Zone indication 2) Status indication 3) Fault Indication

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2) Keys:	1) Zone key 2) Reset key 3) Silence key (ACK key) 4) Siren test key Key and lock: This is to used enable / disable the keypad. All the keys senses only when keypad is enabled by this lock
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### Accessories with unit

- GDS-4 panel unit
- User manual
- Resistors
- Screw and rawal plug

### Warranty

12 months against manufacturing defects only.

### Models and variants

GDS-2

### Abbreviations

GDS-4	Gas detection system- 4 zone conventional panel work with conventional gas detectors: TS12CLR, TS12CLR-EX, TS12CLR-EX-LEL
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Datasheet version with date (V.2 Oct.2020)



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