Honeywell

# E³Point® SPECIFICATIONS

## Toxic and Combustible Gas Detector Standalone Platform (Single or Dual-Gas Monitoring)



| General Specifications | |
|---|---|
| **Uses** | Wall or duct-mounted gas detector for monitoring carbon monoxide (CO), nitrogen dioxide ($NO_2$), oxygen ($O_2$), methane ($CH_4$), hydrogen ($H_2$), hydrogen sulphide ($H_2S$), and propane ($C_3H_8$), installed as a standalone device with single-gas or dual-gas monitoring. |
| **Size** | 20.56 x 14.90 x 6.72cm (8.09 x 5.87 x 2.65") (H x W x D); Remote Sensor: 3.5 x 4.5 x 6.5 cm (1.36 x 1.75 x 2.56") |
| **Power Requirement** | 24 Vac nominal (17-27Vac), 50/60 Hz, 0.35 A; 24Vdc nominal (20-38Vdc); with remote sensor: 7 W max. |
| **Optional Main AC Input** | 120Vac nominal, ± 10% (with on-board transformer) |
| **Relay Output** | 2 DPDT relays, 5A @ 250Vac; 5A @ 30Vdc |
| **Communications** | 4-20mA |
| **Operating Environment** | Commercial, Indoor, Extreme Temperature Environments |
| **Operating Temperature** | $H_2S$, $NO_2$, $O_2$, $CH_4$, $H_2$, $C_3H_8$: -40 to 50ºC (-40 to 122ºF)<br>CO: -20 to 50ºC (-4 to 122ºF) |
| **Sensor Type** | Electrochemical cell (CO, $NO_2$, $H_2S$, $O_2$); catalytic ($CH_4$, $H_2$, $C_3H_8$,) |
| **Response Time** | T90 < 50 seconds<br>With ECLAB T90 < 240 seconds |
| **Display** | 8 character, 2 line backlit LCD |
| **Visual Indicators** | Green LED: Power<br>Amber LED 1: Alarm/Fault<br>Amber LED 2: Alarm/Fault |
| **Audible Alarm** | >85 dBA at 3 m (10 ft) |
| **Accuracy** | ± 3% of full scale @ 25ºC |

**Detection Ranges and Alarm Levels**

| Gas | Resolution | Range | Alarm A | Alarm B | Alarm C |
|---|---|---|---|---|---|
| **CO** (Carbon monoxide) | 1 ppm | 0-250 ppm | 25 ppm | 100 ppm | 225 ppm |
| **$H_2S$** (Hydrogen sulfide) | 0.1 ppm | 0-50 ppm | 10 ppm | 15 ppm | 20 ppm |
| **$NO_2$** (Nitrogen dioxide) | 0.1 ppm | 0-10 ppm | 0.7 ppm | 2 ppm | 9 ppm |
| **$O_2$** (Oxygen) | 0.1% vol. | 0-25% vol. | 19.5% vol. | 22% vol. | 22.5% vol. |
| **$H_2$** (Hydrogen) | 0.5% LEL | 0-100% LEL | 25% LEL | 50% LEL | 90% LEL |
| **$CH_4$** (Methane) | 0.5% LEL | 0-100% LEL | 25% LEL | 50% LEL | 90% LEL |
| **$C_3H_8$** (Propane) | 0.5% LEL | 0-100% LEL | 25% LEL | 50% LEL | 90% LEL |

| Enclosure | |
|---|---|
| | Polycarbonate |

| Certification | |
|---|---|
| | CSA C22.2 No. 61010-1, UL 61010-1; FCC part 15; ICES-003 issue 4; ISO 9001-2008 |

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