



GD250 SERIES

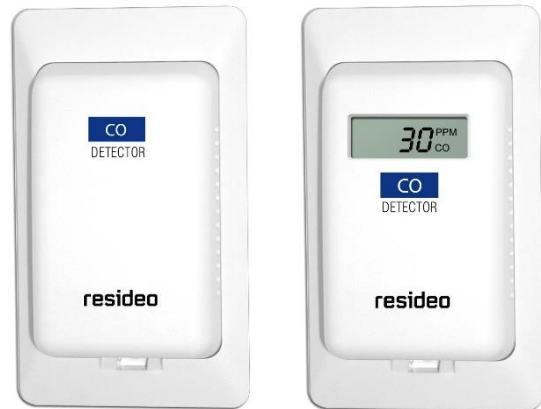
CO Detector for Indoor Air Quality Monitoring System



RoHS
COMPLIANT

SUMMARY

GD250 CO series is compact and easy-to-install IAQ(Indoor Air Quality) sensor, which is designed for detecting carbon monoxide in the air. This model has high accuracy at low CO concentration, and is optimized to be used with ventilation automation system, energy management, and computer monitoring systems. These sensors can be used in parking lot, tunnel and underground places.



FEATURES

- High reliability and sensitivity to detect carbon monoxide
- Two types of analog signal (DCV and DCA) output (Selectable)
- Optional LCD display and on/off relay output for CO limit monitoring
- Optional Modbus communication
- Long term stability and lifetime
- Easy installation
- CE Certification

SPECIFICATIONS

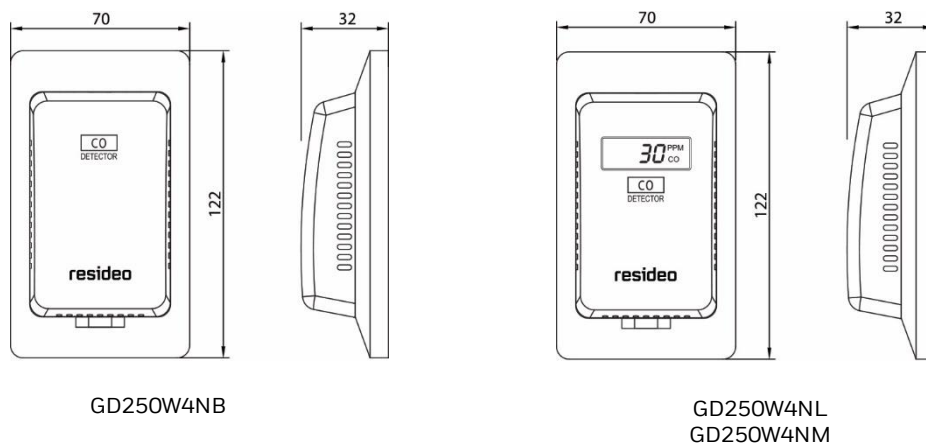
- Gas detected : Carbon monoxide (CO)
- Sensor type : Semiconductor
- Detect range : 0 ~ 250ppm
- Accuracy : 1) $\pm 5\%$ FS for 0 ~ 100ppm
2) $\pm 10\%$ FS for 100 ~ 250ppm
- Output signal : 2~10Vdc (default) or 4~20mA (selectable by jumper setting)
: Modbus RTU
- Coverage area : 465 ~ 900 m² (recommended)
- Power supply : 24Vac 50/60Hz, 24Vdc, +/- 20%
- Power consumption : Max. 1W
- Response time : Within 30 seconds (90% step)
- Relay(Alarm) output : SPST relay, normally open, 1A/120Vac, 1A/24Vdc contact rating,

- Wiring : Activated at greater than 100ppm, deactivated at less than 90ppm
- Optional Modbus : 3 or 4-line wiring compatible
- : Hardware 2-wire RS-485
- : Software RTU Mode
- Protection standard : IP30
- Operating temperature : 0 ~ 50°C
- Operating humidity : 10 ~ 95%RH (non-condensing)
- Storage temperature : -20 ~ 60°C
- Storage humidity : 10 ~ 95%RH (non-condensing)
- Sensor life expectancy : 6 years
- Housing material : Plastic(ABS)
- Accessories : Screws(2EA), Quick guide

MODEL SELECTION

OS #	Description
GD250W4NB	CO Detector, 0~250ppm, 4~20mA / 2~10VDC output
GD250W4NL	CO Detector, 0~250ppm, LCD, 4~20mA / 2~10VDC output, Relay output
GD250W4NM	CO Detector, 0~250ppm, LCD, 4~20mA / 2~10VDC output , Relay output, Modbus output

DIMENSIONS



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