Car Park CO & NO2 Gas Detection

Standalone Car Park Gas Detector

PART 1 – GENERAL

1. RELATED DOCUMENTS
   1. Drawings and general provisions of the Contract, including General and Supplementary General Conditions and other Division 01 Specification Sections, apply to this Section

PART 2 – PRODUCTS

* 1. Gas Detection System (S&S Middle East GM100-CO-NO2)
     1. A wall-mountable combined carbon monoxide & nitrogen dioxide gas detector capable of monitoring CO & NO2 gas concentrations in enclosed car parking facilities.
     2. System shall have outputs for integration with building management systems (BAS) using Bacnet MS/TP or Modbus RTU communication protocols.
     3. System shall have internal volt free relays, 0-10V and 4-20mA to activate ventilation equipment and warning alarms upon reaching alarm thresholds.
     4. Wall-mounted at a height recommended by the manufacturer.
     5. Alarm thresholds shall be factory set at the following:
        1. (CO) 25ppm low level, 100ppm high level
        2. (NO2) 0.7ppm low level, 2ppm high level
     6. System shall include a replaceable sensor module for extended product life.
     7. System shall be 24VAC/DC powered.
     8. System shall have an operating temperature range: -20°C to 50°C.
     9. System shall have internal audible alarm built-in 85dB at 3m.
     10. Acceptable products: S&S Middle East GM100-CO-NO2

PART 3 – EXECUTION

* 1. INSTALLATION
     1. Sensors must be installed in compliance with the manufacturer's guidelines.
     2. Install wiring and conduit to prevent interference with other systems.
     3. Ensure accessibility for future sensor maintenance and calibration.