

# **SAMPLE SPECIFICATION**

## **GDP2 Gas Detection & Isolation System AGSNGXS Methane Detectors**

**The system shall be as provided or supplied by American Gas Safety, LLC., with specifications and input / output ratings as scheduled.**

### **General:**

1. The system shall conform to UL 2075 and UL 61010-1 3rd Edition.
2. The enclosure shall be constructed of heavy gauge molded plastic with removable control fascia. The cover shall protect the front panel and internal workings from the egress of dust, water and dirt. The sensor shall be protected from damage inside the detector and the cover shall contain openings to allow proper sensing.
3. The detector shall contain a passive, semiconductor type sensor with a measuring range of 300-10000ppm
4. The detector shall be mounted to a single gang rough in box.
5. The detector shall be protected against static discharge and excessive electrical noise.
6. The detector shall have a power LED, Low level alarm LED, High level alarm LED and will fail closed.

### **Input Ratings:**

7. The detector shall be capable of operating from a low voltage power supply with an input of 7-30 VDC RMS, 50/60 Hz. GDP2 panel shall be capable of operating on 110-120vac line voltage.

### **Switches and Controls:**

8. The GDP2 panel shall provide a 110-120vac line voltage output to the control solenoid
9. An output relay providing a set of contacts for remote fans or alarms shall be provided. This relay shall provide either a normally open or normally closed configuration.
10. The GDP2 shall accept a volt free dry contact from the F.A.C.P to shut down in an alarm condition.
11. The GDP2 shall accept a volt free dry contact input from remote electro mechanical fusesable links.
12. The Gas Detection System must be installed and maintained as per the manufactures instructions.