Certification Record

CUSTOMER	CLASS	FILE
Global Detection Systems Corp 2513 Hwy 646, Santa Fe TX 77510 USA	4828-01 SIGNAL APPLIANCES -- Combustible Gas Detection Instruments-For Hazardous Locations **Refer to Class Description for program details**	234926

Class I, Groups B, C and D:

Combustible Gas Detector Transmitter, stationary, Model "M1-LEL" ; Input rated 18-30V dc; 500 mA; Output rated 4-20mA; optional contacts rated 30V dc or 250 V ac, 5A max.. May be used with Modbus card p/n 10-0128 or Alarm card p/n 10-0130. Sensor head assembly p/n 10-0194-70 may be integral or remote when used with the Remote Mounting Kit p/n 10-0193 for remote sensor installation (Class I, Groups C and D).

Class I, Div. 2, Groups A, B, C and D;

Two Channel Controller, Model C2 "Protector"; Rated Input: 100-240Vac, 50/60Hz, 0.45Amps, 20 Watts or 10-30Vdc 3 Watts, Solid State relay contacts rated 250Vac, 2.0 Amp, Optional mechanical relay contacts rated 250Vac, 5.0 Amp; All other signal circuits all SELV, Ambient -25 to 50°C, installation category II, pollution degree 3. May be used with the following optional boards: 4-20mA Anolog output pcb Module # 10-0223, Electrochemical sensor input pcb Module # 10-0220, Catalytic Bead sensor input pcb Module # 10-0219 (1000 ppm max input), Catalytic/EC sensor input pcb Module # 10-0216 (1000 ppm max input), Analog Input pcb Module # 10-0221 and Discrete Relay PCB Module # 10-0222.

Class I, Div. 2, Groups A, B, C and D;

Sixteen or Eight Channel Controller, Model: C1 "Protector"; Rated Input: 110-120/220-240 V, 50/60 Hz, 3.2/1.6 A, Mechanical relay contacts rated 250Vac, 5.0, operating temperature range -20 to 60 °C. Contains the following PC's: Main I/O PCB with common relays # 10-0142. May be used with the following optional boards: Aux. Relay piggyback pcb # 10-0144, 4-20mA Analog output pcb # 10-0167, Analog input pcb # 10-0158, Catalytic Bead sensor input pcb # 10-0191(1000 ppm max input), Dual Channel Catalytic Bead Module # 10-0192 and Discrete Relay PCB # 10-0195.

Notes :

1. The equipment is intended to be connected to supply mains with a suitable conduit according to the applicable local and national (CEC & NEC) regulations. Power supply cord and its entry

inside the enclosure was not part of the investigation.

2. The suitability of the combination for rack mounting must be determined during the end usage.

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