



**GROVELEY DETECTION**

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## Bridge Interface Assembly CATALYTIC SENSOR INPUT

The bridge interface module is designed to interface between a catalytic sensor bridge input circuit, typical of several control systems, and a GD10 gas detector, having a 4-20ma current source output.

Simtronics infrared gas detectors differ from other manufacturer's models, because they utilise patented silicon based solid-state infrared sources. These sources are so stable that once a detector is factory calibrated it needs no adjustment on site throughout its' working life, thus saving on maintenance and service costs.

The bridge interface module is capable of mimicking a wide range of catalytic sensor types including Sieger 780, 910; IGD MkIII; DI 5/6 etc.

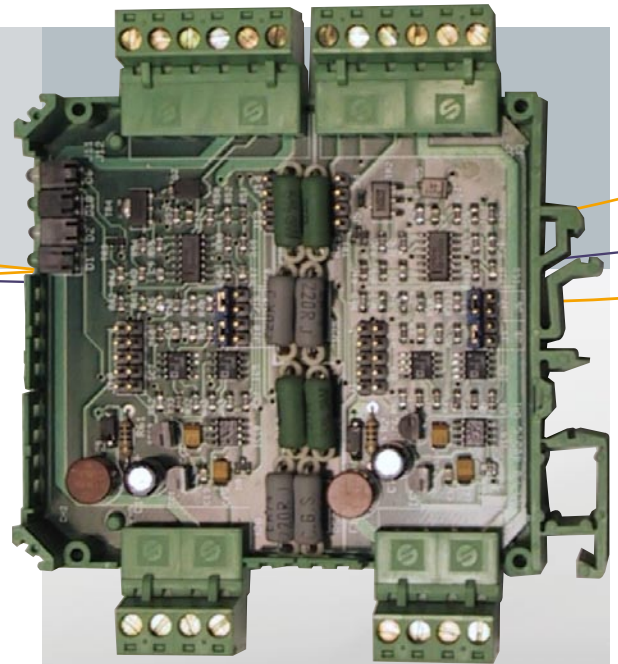
Available in dual channel format to save space and allow several channels to be interfaced at one time. The complete assembly is contained in a plastic housing which clips onto a standard DIN mounting rail.

### **Features**

- Uses existing gas detection control hardware
- Available as single or dual channel units
- Reuses existing cabling
- Local display of detector fault

### **Benefits**

- Replacement of catalytic sensors with infrared gas detectors
- Cost effective detector upgrades
- Compatible with most commercially available catalytic sensor systems



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*No-one ever regretted  
buying quality...*

# Bridge Interface Assembly CATALYTIC SENSOR OUTPUT

## TECHNICAL DETAILS

### **Operating Voltage**

- 24V dc (21-32V dc)
- 3.5W per channel for the GD10P infrared detector in addition to existing power consumption

### **Input(s)**

- Dual Channel: 2 X Current Source 4-20 mA

### **Output(s)**

- LEDs: healthy (green), dirty optics (yellow), sensor failure (red)

### **Wiring Terminal**

- 2.5mm

### **Dimensions**

- 102L x 112W x 25D Overall (mm)

### **Shipping Weight**

- 0.25 Kg

### **Temperatures**

- Operating: -20°C to +60°C
- Storage: -20°C to +70°C
- Humidity: 0 to 99% RH  
(non condensing)

### **Order Codes**

- Dual Channel: GD10-BI-2015 (Standard Model)