

# Status Scientific Controls

gas detection technology...



## LC COMMERCIAL SERIES ~ 1 to 4 channel control units



### COMPETITIVELY PRICED

LC1 provides 1 monitoring channel  
LC2 provides 2 monitoring channels  
LC4 provides 4 monitoring channels

### FEATURES INCLUDE: -

- **Standard ABS plastic housing for indoor use**
- **Flame retardant polycarbonate housing available (suitable for outdoor use)**
- **IP65**
- **Graphic display simultaneously showing reading for each channel and sensor type**
- **Visual alarms for alarm, fault and power**
- **Full calibration menu via push buttons**
- **Each channel can accept:**
  - **2-wire current source 4-20mA**
  - **3-wire power plus current source 4-20mA**
  - **3-wire pellistor systems**

#### and output:

- **4-20mA current source proportional to the detected signal**
- **4-20mA current sink proportional to the detected signal**
- **0-5V voltage output proportional to the detected signal**
- **2 Alarm relays per channel**
- **1 Common fault relay**

## Specification

|                      |  |
|----------------------|--|
| Type                 | LC Control Units   |
| Size (nominal) 'mm'  | 188 x 160 x 106 (LC1), 280 x 219 x 156 (LC2), 390 x 316 x 167(LC4) |
| Weight (approx)      | 1Kg(LC1),1.9Kg(LC2), 3.8Kg(LC4)                                    |
| Operating Temp       | -10°C to +50°C   |
| Storage Temp         | -20°C to +50°C   |
| Humidity Range       | 0 to 95% R.H. Non-condensing                                       |
| Input Voltage        | 18-28V DC, or 100-240V AC 50/60                                    |
| Environmental Rating | IP65   |

| User Interface              |   |
|-----------------------------|---|
| Display                     | Backlit 122 x 32 dot Liquid Crystal Display (LCD)<br>Option for LC 4 – LED Backlit 240x128 dot Liquid Crystal Display (LCD)   |
| Keyboard                    | 4 button multifunction keypad   |
| LED Indications<br>Option 1 | Red Indicates alarm condition.<br>Yellow Indicates fault condition.<br>Green Indicates power ON   |
| LED Indications<br>Option 2 | Green Indicates power ON<br>Red Indicates alarm level 3 condition.<br>Red Indicates alarm level 2 condition.<br>Red Indicates alarm level 1 condition.<br>Yellow Indicates fault condition. |

| Input Modules         |  |
|-----------------------|--|
| Number of channels    | 4 max  |
| Signal Inputs 4 Max   | 4-20mA Current Loop from 24V source.<br>4-20mA Current Loop sink to 0V.<br>3-Wire Pellistor Systems.   |
| Analogue Output 4 Max | 4-20mA Current source proportional to detected signal.<br>4-20mA Current sink proportional to detected signal.<br>1-5V Voltage output proportional to detected signal. |
| Relays – 10 Max       | 1 relay assigned to alarm level 1, channel 1, 2, 3 & 4.<br>1 relay assigned to alarm level 2, channel 1, 2, 3 & 4<br>1 relay assigned to common alarm level 3.         |
| Contacts<br>Rating    | 1 relay assigned to fault condition.<br>Single Pole Changeover Contacts (voltage free).<br>5A 240V AC.   |

| Power Supply         |        |
|----------------------|--------|
| Fuse 1 (AC Input)    | T1.0A  |
| Fuse 2 (24VDC input) | T500mA |



Designed and Manufactured in the UK

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