

Status Scientific Controls

gas detection technology...



SCIENTIFIC

LC COMMERCIAL SERIES ~ 8 channel control unit



FEATURES INCLUDE: -

- Lockable, wall mounting steel enclosure powder coated to RAL7035
- IP65
- Graphic display simultaneously showing reading for each channel and sensor type
- Visual indicators for alarm, fault and power
- Full calibration menu via push buttons on front panel
- 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

LC8 Control Unit Specification

| | |
|----------------------|---------------------------------|
| Weight | 7.65 kg |
| 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 | | | | | | | | | | | |
| Keyboard | 4 button multifunction keypad | | | | | | | | | | |
| LED Indications Option 1 | <table border="0"> <tr> <td>Red</td> <td>Indicates alarm condition.</td> </tr> <tr> <td>Yellow</td> <td>Indicates fault condition.</td> </tr> <tr> <td>Green</td> <td>Indicates power ON</td> </tr> </table> | Red | Indicates alarm condition. | Yellow | Indicates fault condition. | Green | Indicates power ON | | | | |
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| LED Indications Option 2 | <table border="0"> <tr> <td>Green</td> <td>Indicates power ON</td> </tr> <tr> <td>Red</td> <td>Indicates alarm level 3 condition.</td> </tr> <tr> <td>Red</td> <td>Indicates alarm level 2 condition.</td> </tr> <tr> <td>Red</td> <td>Indicates alarm level 1 condition.</td> </tr> <tr> <td>Yellow</td> <td>Indicates fault condition.</td> </tr> </table> | Green | Indicates power ON | Red | Indicates alarm level 3 condition. | Red | Indicates alarm level 2 condition. | Red | Indicates alarm level 1 condition. | Yellow | Indicates fault condition. |
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| Red | Indicates alarm level 3 condition. | | | | | | | | | | |
| Red | Indicates alarm level 2 condition. | | | | | | | | | | |
| Red | Indicates alarm level 1 condition. | | | | | | | | | | |
| Yellow | Indicates fault condition. | | | | | | | | | | |

| Input Modules | |
|-----------------------|---|
| Number of channels | 8 max |
| Signal Inputs 8 Max | 4-20mA Current Loop from 24V source. 4-20mA Current Loop sink to 0V. 3-Wire Pellistor Systems. |
| Analogue Output 8 Max | 4-20mA Current source proportional to detected signal. 4-20mA Current sink proportional to detected signal. 1-5V Voltage output proportional to detected signal. |
| Relays – 18 Max | 1 relay assigned to alarm level 1 - channels 1 to 8. 1 relay assigned to alarm level 2 - channels 1 to 8. 1 relay assigned to common alarm level 3. 1 relay assigned to fault condition. |
| Contacts Rating | Single Pole Changeover Contacts (voltage free). 5A 240V AC. |

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