

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 style="width: 100%; border: none;"> <tr> <td style="width: 30%;">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 style="width: 100%; border: none;"> <tr> <td style="width: 30%;">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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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