

Status Scientific Controls

gas detection technology...



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

Size	500mm Wide x 300mm High x 80mm Deep
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	Red Indicates alarm condition. Yellow Indicates fault condition. Green Indicates power ON
LED Indications Option 2	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.

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

Designed and Manufactured in the UK

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