

Status Scientific Controls

gas detection technology...



SCIENTIFIC

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) Option for LC 4 – LED Backlit 240x128 dot Liquid Crystal Display (LCD)
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	4 max
Signal Inputs 4 Max	4-20mA Current Loop from 24V source. 4-20mA Current Loop sink to 0V. 3-Wire Pellistor Systems.
Analogue Output 4 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 – 10 Max	1 relay assigned to alarm level 1, channel 1, 2, 3 & 4. 1 relay assigned to alarm level 2, channel 1, 2, 3 & 4 1 relay assigned to common alarm level 3.
Contacts Rating	1 relay assigned to fault condition. Single Pole Changeover Contacts (voltage free). 5A 240V AC.

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

