

STATUS SCIENTIFIC CONTROLS

FIXED GAS DETECTION SYSTEMS

FIXED SYSTEM FOR GAS AND SAFETY MONITORING AND CONTROL

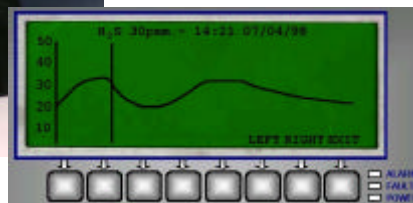
STATUS



SCIENTIFIC

Mentor MCU3 ~ 1 to 8 channel control unit

Technical Data Sheet



Features include:

- Large LED backlit full-graphics display of all eight channels
- Data logging and event data logging as standard
- 4 master alarm relays, 3 channel relays
- Fully configurable relays
- Dedicated 24 v DC drivers for audible and visual alarms
- Full calibration menu via external push buttons
- 1 – 8 input modules available with optional built in safety barriers
- Lockable steel enclosure, water and dust proof to IP66
- Interchangeable gland plates fitted on upper and lower face
- Available with optional terminal chamber
- Built in battery back up

Size (nominal) 'mm'	475 x 300 x 208
Weight (approx)	16Kg
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	24V DC, or 120/230V AC 50/60 Hz Tolerance \pm 10%
Environmental Rating	IP66
Note: For compliance with UL3101-1 and CSA22.2 No 1010.1, the following environmental conditions apply: Indoor use; Altitude up to 2000m. Temperature 0 to 40°C. Maximum relative Humidity 80% decreasing linearly to 50% relative humidity at 40°C. Installation Category (Over Voltage Category) II. Pollution Degree 2.	
User Interface	
Display	Backlit 240 x 64 dot Liquid Crystal Display (LCD)
Keyboard	8 button multifunction keypad
LED Indications	Red Indicates alarm condition. Green Indicates power ON (flashes when powered from int. batteries) Yellow Indicates fault condition.
Input Modules	
Number of channels	8 max
Signal Inputs	4-20mA Current Loop from 24V source. 4-20mA Current Loop sink to 0V. 3-Wire Pellistor Systems. DC Voltage Input.
Analogue Output	4-20mA Current source proportional to detected signal. 4-20mA Current sink proportional to detected signal. 1-5V Voltage output proportional to detected signal.
3 – Relays Contacts Rating	1 relay assigned to each alarm level (low, medium and high). Double Pole Changeover Contacts (voltage free). 5A 240V AC.
Distribution Module	
2 – Common Outputs	Output one for external audible alarm (200ma maximum) Output two for external visual alarm (200ma maximum)
External Reset	Connection for normally open switch contacts (5V max present at terminals).
Common Relay Module	
4 – Common Relays	1 Relay assigned to each alarm level (low, medium, high). 1 Relay designated as fault relay. Double Pole Changeover Contacts (voltage free). 8A 240V AC.
Batteries	
Sealed lead acid battery type	2 x 12V 1.2Ahr

Designed and Manufactured in the UK

Status Scientific Controls Ltd

Hermitage Lane Industrial Estate

Kings Mill Way, Mansfield

Nottinghamshire NG18 5ER

Tel: (44) 01623 651381 Fax: (44) 01623 427816

Email: sales@status-scientific.com

www.status-scientific.com