

Status Scientific Controls

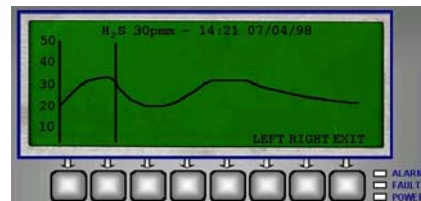
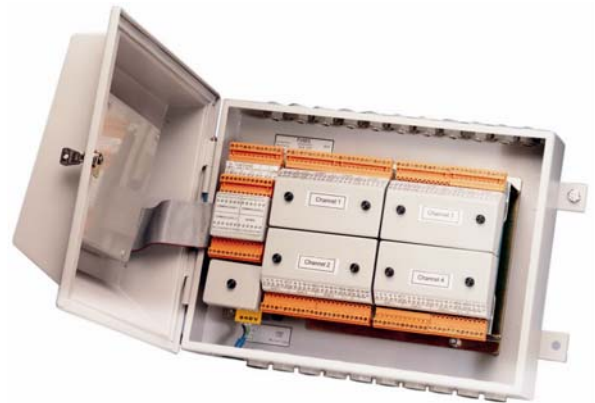
gas detection technology...

STATUS



SCIENTIFIC

MCU INDUSTRIAL SERIES ~ 2 to 8 channel control unit



FEATURES INCLUDE:

- Lockable mild steel passivated powder coated housing for indoor use
- IP65
- Graphic display simultaneously showing reading for each channel and sensor type
- Data logging and event data logging as standard
- Visual alarms for alarm, fault and power
- Inbuilt battery backup
- Inbuilt safety barriers available for use with I.S detector heads
- Full calibration menu via external push buttons
- 24v D.C power supply for external visual and audible alarms
- 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
- 4 master alarm relays, 3 channel relays

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	IP65

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.
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Batteries	Sealed lead acid battery type 2 x 12V 1.2Ahr
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Designed and Manufactured in the UK

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