

STATUS SCIENTIFIC CONTROLS

FIXED GAS DETECTION SYSTEMS

FIXED SYSTEM FOR GAS AND SAFETY MONITORING AND CONTROL



Mentor SCM ~ Single channel control unit

Technical Data Sheet



With integral sensing head

With remote sensing head

Features include:

- Alphanumeric display with back light
- Built in audible visual alarms
- Micro-controller based
- Fully configurable
- Choice of remote and directly mounted gas detector heads
- One-man calibration for remote mounted gas detector heads
- Lockable steel enclosure; water and dust proof to IP66
- Password protected
- Battery back-up
- 3 alarm outputs

Format Slim wall mounting cabinet
Weight 4 kgs
Dimensions 249mm x 268mm x 200mm

Operating voltages

110 – 120v AC 50-60Hz
220 – 240v AC 50-60Hz
20 – 28v DC

24 volt common outputs (open collector) Output one for external audible alarm (200ma maximum)
Output two for external visual alarm (200ma maximum)

Relays Relay one operates when Alarm Level 1 is encountered
Relay two operates when Alarm Level 2 is encountered
Relay three operates when a fault condition occurs

LED indicators Green LED indication of POWER ON
Red LED indication of ALARM CONDITION
Yellow LED indication of FAULT CONDITION

Visual indication unit Green indication status : healthy
Red indication status : alarm
Yellow indication status : fault / mains fail

The input circuit is designed to accept virtually all sensor configurations available. It can be connected to any sensor with either of the following characteristics:-

Input formats Current loop 4-20mA, internal or external variable 5-24v (source)
Current loop 4-20mA, internal or external (sink)
3 – wire pellistor
Voltage input

Output formats 4-20mA current source proportional to detected signal
4-20mA current sink proportional to detected signal
0-5v voltage output proportional to detected signal

Universal input/output card with optional isolating barriers