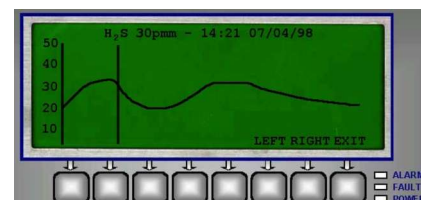


## 2 to 8 channel control unit



## Features

- 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 to 5v voltage output proportional to the detected signal
    - 4 master alarm relays, 3 channel relays

Supplied by

# ANALOX

### Sensor specifications:

**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:**

1 relay assigned to each alarm level (low, medium and high)

**Contacts:**

Double pole changeover contacts (voltage free)

**Rating:**

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

Analog has a policy of continuous improvement and we reserve the right to upgrade specifications without prior notice.  
Full technical specifications are available upon request.