

Analogue Module

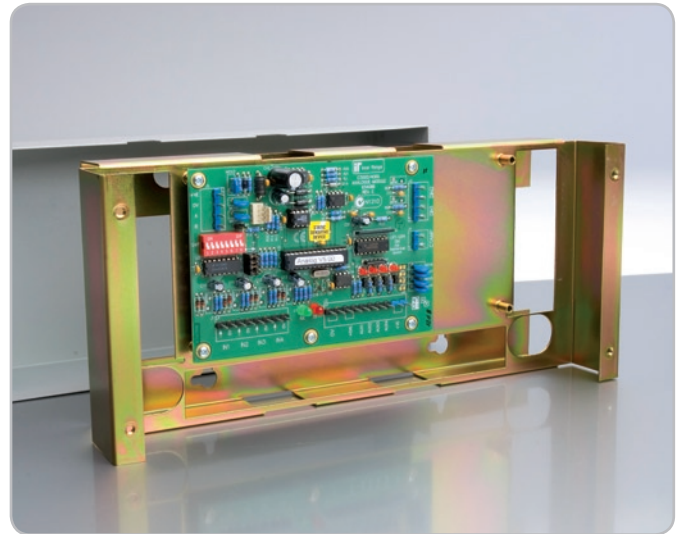
The Analogue module provides the capability to monitor, report and action on analogue quantities within a Concept system.

This module can be programmed to operate an auxiliary when an analogue level from one or more of its independent analogue inputs exceeds or goes below a pre-programmed trigger point.

Analogue levels can be monitored and/or controlled in scaled units at any LCD Terminal or remotely off-site.

Flexible Programming Options

The Analogue Module allows the programmer a variety of selectable mode settings and levels with which to configure the system to the particular application. Trigger point, output auxiliary, tamper levels and hysteresis values may be individually selected for each input.

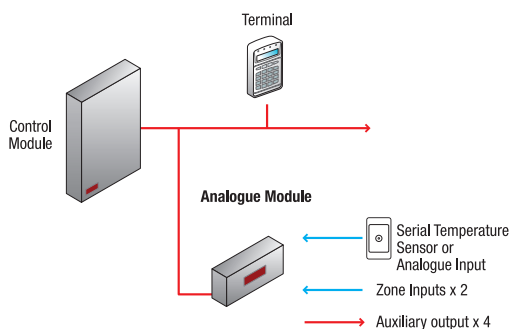


Features:

- Four independent analog inputs, each with its own programmable 'trigger point'
- 0-5V or 4-20mA types available
- 8 bit resolution, 1% accuracy
- Compatible with the Serial Temperature Sensor (995089)
- LAN voltage monitoring
- Cabinet tamper input
- Four output auxiliaries
- Two general purpose digital inputs (No EOL resistors)

Connectivity

The Analogue Module is connected directly to the Concept RS485 LAN. Up to 99 Analogue Modules may be installed in a single panel system.



SPECIFICATIONS

Physical

Cabinet Dimensions	305(L) x 140(W) x 72(D) (mm)
PCB Dimensions	140(L) x 95(W) (mm)
Installation Environment	0°C - 40°C @15 - 85% Relative humidity (non-condensing)

Electrical

Input Voltage to PCB	11-14VDC
Operational Current	~30mA

Inputs

Zone Inputs	4 Analog inputs, 2 general purpose zone Inputs
Input Range: Voltage Option	0-5VDC uni-polar referenced to 0V input terminal
Current Loop Option	4-20mA DC polarised, input termination resistor selectable
Input Impedance	10kOhm set by input termination resistor.(ADC Input Impedance~10M0hm)
ADC Resolution	8bit
Input Resolution	20mV
Over Voltage Protection	Yes
ESD Protection	Yes

Outputs

Outputs (open collector)	4
Max. Switchable Current per output	200mA
Max. Combined Output Current	To be included within the constraints of the power supply source

Serial Temperature Sensor

The sensor records the temperature and converts it to an 8 bit digital value. The digital data is then sent to the Analogue Module to be processed. Each Serial Temperature Sensor is supplied with a wall mounting kit and requires no further calibration.

Features:

- Temperature may be polled every 2 seconds
- Wall mounting kit supplied
- No calibration required

SPECIFICATIONS**Physical**

Cabinet Dimensions	116(L) x 77(W) x 14(D) (mm)
PCB Dimensions	73(L) x 53(W) (mm)

Electrical

Input Voltage to PCB	5VDC (1mA) from host Analogue Module
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Sensor Specification

Temperature Range	0°C - 125°C or -55°C - +70°C
Resolution	+/- 0.5°C

Accuracy

0°C - 70°C	+/- 0.5°C
70°C - 85°C	+/- 1.0°C
85°C - 125°C	+/- 2.0°C

**Ordering Options****995088**

Analogue Module (Voltage Mode) in metal enclosure

995088C

Analogue Module (Current Mode) in metal enclosure

995088PCB&K

Analogue Module (Voltage Mode. Short form kit)

995089

Serial Temperature Sensor

