

RECEIVER CONTROLLER

A MULTI CHANNEL GAS DETECTION CONTROL SYSTEM



8420

UNIVERSAL RECEIVER CONTROLLER

ENDEE's Model 8420 is a micro-controller based fixed gas detection system designed to provide continuous round-the-clock monitoring for a variety of common atmospheric hazards.

ENDEE's 8420 rack / panel mount control enclosure along with micro-controller based digital control modules is designed to serve as a host control system for remote mount gas detection sensor transmitters.

The single channel modular design can be configured for any combination of gases. All control modules are plugged in front panel, accessible for easy maintenance and repair.

8420 includes an integral and modular power supply, three digit indicator serves as both a power-on indicator and a direct reading display of the gas concentration.

Alarm set points are software adjustable in 1 PPM / % increments across the range of detection. The RESET switch resets all alarm relays.

SPECIAL FEATURES

- Modular plug in design including modular power supply
- 2 to 8 channel / 19" Rack capacity
- Discrete analog 4-20mA outputs
- Discrete or zoned alarm relays (2 alarms plus fault)
- Status and parameters accessible via RS 485 (Optional)
- Compatible with PLC's, SCADA and DCS
- Compatible with all types of Transmitters
- Alarm Disable / Alarm Silence function

SPECIFICATIONS

Type	: Rack / Panel mounting
Detectable gases / parameters	: All from transmitters
Electronics / processor	: Micro-controller
Power supply	: 230 V AC
Display	: Red LED and 3 digit - 7 segment for gas level
Alarm	: FAULT, LOW & HIGH visual alarms, adjustable
Output	: 4 - 20 mA per channel, relay
Technology	: Sensor Specific
Resolution	: 1 %V/V, 1 %LEL, 1 PPM
Accuracy	: ± 2 % of FS (Approx.)
Response time	: Instantaneous
Operating temperature	: 0 - 55 °C
Input	: 4 - 20 mA from transmitter
Housing	: Aluminium
Optional accessories	: Cable, Hooter, Datalogger, RS 232/485, MS cabinet, Ex-proof 4 channels
Electrical classification	: NEMA 1, panel mount
Power consumption	: Less than 5 watts per channel
Humidity range	: 0 to 95 % RH, non-condensing
Dimensions	: 3U 19"rack

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
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