



# AMS HADEN

INSTRUMENT AND MINING SERVICES PTY LTD

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The AMS 501 Smoke detector is a unique smoke / fire detection device which combines a high sensitivity optical sensor, temperature and a semiconductor sensor (this sensor mainly detects flammable components in smoke). Smoke detection is carried out simultaneously by all sensors. The optical sensor mainly receives the light waves of three bands (infrared 870nm-900nm, red 650nm-670nm, green 530nm- 545nm) scattered by soot particles it then carries out the specific algorithm.

The AMS 501 smoke detector has both the characteristics of high sensitivity and adjustable sensitivity, which greatly improves the accuracy of the smoke / fire alarm and reduces false alarms. The smoke sensor has two independent relay outputs (first & second alarm) with optional audio & visual alarm signal.

## AMS 501 SMOKE DETECTOR

### PROGRAMMABLE FIXED GAS DETECTION CONTROLLER:

- Large local display and keypad interface 8x analogue input
- RS485 input and output (MODBUS)
- 6 x Configurable relay output
- Optional SMS alarm notification available Convenient online zero correction
- Optional battery backup available
- Local A/V alarm

### SERVICES

- SCADA engineering
- Communication infrastructure
- Installation and commissioning
- Service level agreements

### CUSTOMISED SCADA

The SCADA (Supervisory Control and Data Acquisition) forms an integral part of any monitoring or control system since it enables the control room operator to see an overview of current system conditions and status. The system can be customized to suit the individual's requirements while standard features liketrending and alarming are already available. This enables the user to make the correctdecisions as well as to guide him/her in the correct procedure to follow.

With the addition of a camera to the system, it even further enhances the critical decisions that needs to be made when danger is imminent and with lives at stake.



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