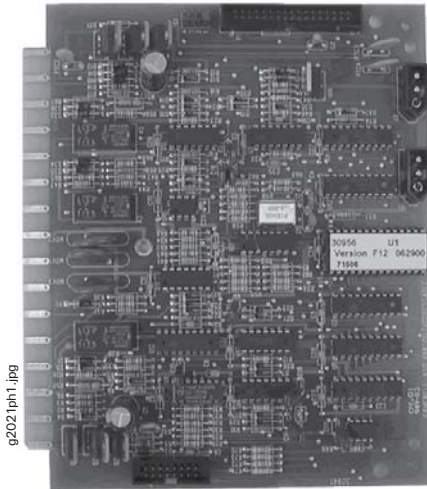


AAM95

Analog Addressable Module



Description

The Gamewell-FCI Analog Addressable Module (AAM95) provides the monitoring and control of XP95 protocol sensors and addressable input and output devices. The AAM95 is compatible with the IF632 and IF650 Fire Alarm Control Panels (FACPs). The analog addressable module is configured with one, two, or four analog circuits, with each circuit capable of monitoring up to 126 individual points. The AAM95 has a dedicated microprocessor that monitors each circuit while communicating all status information to the main CPU of the IF632 or IF650 control panel.

Each AAM95 has an optional display that provides Alarm and Trouble annunciation LEDs and tactile switches for control by circuit. The display has provisions for custom labeling of each circuit.

Operation

The Analog Addressable Module (AAM95) occupies a bus position in the IF632 or IF650 Control Panel. Compatible devices (including any Series 95 devices) return their analog value to the AAM95 module, which communicates with the main CPU of the FACP for evaluation of the analog value. If the panel determines that the value is outside the normal range, the system enters alarm or trouble mode. Communication time is kept to a minimum by utilizing parallel processing on both the system bus and the circuits of the AAM95.

The AAM95 circuits are monitored by the system for ground faults. The module will operate in the event that the system enters into Alarm Default Mode.

The AAM95 will support Style 4, 6, and 7 wiring. Style 7 wiring requires the use of line isolators (**XP95-LI**) to segregate the analog circuit in the case of a direct short on the line.

Engineer's Specifications

The system shall include analog addressable circuits for the monitor and control of identifiable devices. The system's analog addressable module shall incorporate a dedicated microprocessor in order to minimize communications and response times to off-normal conditions. The analog addressable module shall support Style 4, 6, and 7 in field wiring. The analog addressable module shall incorporate a default operation capability which will allow the system to activate a general alarm even in the event of a main CPU failure.

Features

- Monitors and controls analog addressable sensors.
- Monitors and controls addressable input and output devices.
- Monitors and controls up to 126 points per circuit.
- XP95 protocol.
- 1, 2, or 4 analog addressable circuits per module.
- Dedicated microprocessor minimizes communications time.
- Field programmable.
- Default alarm mode operation.
- Power limited.
- Automatic drift compensation.
- Style 4, 6, and 7 wiring.
- Priority interrupt protocol.
- Cross-zoning per device or group.
- Sensitivity measurement per detector.
- Module can be removed without disturbing field wiring.

Listings

Listings and approvals below apply to the basic AAM95 Analog Addressable Module. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- UL Listed: file S521.
- FM approved.
- MEA approved: file 132-95-E.
- CSFM approved: files 7165-1288:144, 7165-1288:146.

The analog addressable module shall be capable of monitoring up to 126 devices per circuit. Analog circuitry shall be capable of supporting a priority interrupt technique in order to facilitate real-time event processing. Analog addressable modules shall be supplied as required in order to monitor all necessary points.

Ordering Information

- AAM95-1** **One-loop, 126 points** Analog Addressable Module with standard display for IF632 or IF650 FACP. Includes terminal strip and mounting hardware. XP95 protocol compatible.
- AAM95-2** **Two-loop, 252 points** Analog Addressable Module with standard display for IF632 or IF650 FACP. Includes terminal strip and mounting hardware. XP95 protocol compatible.
- AAM95-4** **Four-loop, 504 points** Analog Addressable Module with standard display for IF632 or IF650 FACP. Includes terminal strips and mounting hardware. XP95 protocol compatible.
- AAM95-1ND** AAM95-1 with **no display**.
- AAM95-2ND** AAM95-2 with **no display**.
- AAM95-4ND** AAM95-4 with **no display**.
- Note: ND models allow the addition of another display (i.e., BCD, RCE, SCD) in the same module bay.*
- AAM95-2E** Two-circuit Analog Addressable **Expansion** Module for use with AAM95-2. Includes terminal strip and mounting hardware. XP95 protocol compatible.

Specifications

Standby current

30 mA (1 circuit).
35 mA (2 circuits).
55 mA (4 circuits).

Alarm current

30 mA (1 circuit).
35 mA (2 circuits).
55 mA (4 circuits).



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Specifications and wiring information are provided for information only and are believed to be accurate. Gamewell-FCI assumes no responsibility for their use. Data and design are subject to change without notice. Installation and wiring instructions shipped with the product shall always be used for actual installation. For more information, contact Gamewell-FCI.