



HUB48516

Intelligent Hub Controller

FEATURES

- **Flexibility**
The hub allows configuration of a centralised or distributed system allowing a reduction in field cabling over a conventional system reducing the overall installed cost.
- **Scalability**
Up to 4000 field devices are supported by the system allowing full integration of field devices from a centralised control system easing maintenance.
- **Compatibility**
The hub has been designed specifically for the Visual Flame Detector, Video Switcher and Relay Output Card and is fully compatible with the Micropack range of products insuring a trouble free communication.
- **Redundant**
Each hub is capable of operating in a simplex or dual redundant configuration allowing system designers to implement redundancy in areas where it is considered most critical.

APPLICATIONS

- The Micropack intelligent hub controller is designed to be the heart of the visual flame detection system. It performs the essential system functions of data gathering from the field devices, data concentration to optimise network traffic and data reporting to the display equipment.
- The hub controller is used in conjunction with the display and alarm handling software. It executes the control logic functions and the video switching to provide real time video displays of events and the execution of control logic functions to actuate systems outputs
- Each hub has sixteen channels of high speed RS485 communications. Each channel can support between 1 and 7 field devices dependant on the client's reliability / availability requirements.
- The hub allows for the construction of both large and small systems of up-to 4000 field devices. It allows the designer flexibility in achieving the optimum level of system redundancy and cost effectiveness. Hubs can be configured to operate as a simplex or dual redundant system.

HUB48516 Technical Specification

Temperature

Operating : -20C to +70C
Storage : -20C to +80C
Humidity : 0 to 100% RH

Operating Voltage

24VDC Nominal
18V to 32V Maximum
10W Typical Power Consumption

Response Time

1 seconds Approx

Power On Delay

Less than 20 seconds

Input/Output(s)

Sixteen Channels of RS485 Communications
(using the FDS protocol)

Certification

EMC Directive : CE Certified
Millennium : Y2K Compliant

Physical Size

PCB : Single Euro Card
100H x 160L x 20W (mm)
Shipping Weight: 0.5KG

Connections

Power : 2 Core
Communication : 16 x Dual Twisted Pair
Connector : DIN41612 Class A

Accessories

- Chassis/DIN rail mounted terminal card
- Dual Redundant terminal card
- Rack mounting terminal card

Contact

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