

AXN4/AXN18/AXN18R

CONTROL PANEL



PRODUCT INFORMATION SHEET

Description

The Atexon® spark detection and extinguishing control panel comes equipped with a user-friendly interface, large LCD display, Ethernet-based remote user communication, and enough memory to log thousands of extinguishing events. Furthermore, the use of serial bus communication throughout the ATEXON® spark detection and extinguishing system reduces both cabling to the AXN control panel and associated installation costs.

The AXN18 control panel allows for system expansion up to 18 protection zones, 54 spark detectors, three fan controllers, three pressure booster stations and connections for a multitude of gas, flame, and heat sensors, providing protection for a wide variety of industrial processes.

The AXN18R has an expanded relay bank that provides alarm and trouble notifications to your PLC for each zone in the system.

The AXN4 control panel is available for smaller industrial processes requiring up to four protection zones.

The system's status can easily be seen from the indicator lights and from the LCD display. An external signaling unit connected to the Control Panel generates audible and visual indication of alarms. The Control Panel outputs can be used to inform plant personnel or fire department of alarms and possible system faults.

The operating voltage and communication between the Atexon® Control Panel and Signal Routers, Fan Controllers and Pressure Booster Controllers are supplied via bus cables. The battery backup keeps the system operational during a power failure.

The Control Panel's process interlocking relays and Fan Controller's relays can be used to stop the process if the spark detection limits or the surface temperature limits of the monitored production equipment are exceeded.

Features

- LED lights and an LCD display indicate the system status
- Uses serial communication between ATEXON® devices connected to the control panel
- Stores system events
- Uninterruptible Power Supply
- Dedicated relays for each protection zone (AXN18R model)
- Ethernet communication
- FM approved
- Integrated programmable process locking relays
- Heat tracing failure input
- Pressure monitoring inputs
- Disconnection relay
- External reset interface
- Sleep mode input
- Siren and alarm light interface
- Alarm and failure relay

Control Panels



AXN18 Control Panel



AXN18R Control Panel

Application

Atexon® spark detection and extinguishing systems by IEP Technologies are designed to protect industrial processes by reducing the risk of ignition sources, such as embers, from reaching protected equipment. The system detects sparks and extinguishes them automatically without interrupting process operations.

Specifications

Parameter	Value
Model	AXN4 / AXN18 / AXN18R
Operating temperature °C (°F)	0° to +40° (32° to 104°)
Protection class (EN / IEC 60529)	IP54
Operating voltage (VAC)	85 to 264
Cable gland options	3 x M20, 27 x M16
Number of zones	4 (AXN4) 18 (AXN18 / AXN18R)
Signal relay ratings	1 A / 30 VDC
Ethernet ports	1

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