# AXN4/AXN18/AXN18R

## CONTROL PANEL

IEP TECHNOLOGIES
HOERBIGER Safety Solutions

***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


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## 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)<br>18 (AXN18 / AXN18R) |
| Signal relay ratings | 1 A / 30 VDC |
| Ethernet ports | 1 |

## Contact Information


**IEP Technologies - Austria**
**(HOERBIGER Safety Solutions)**
**Tel: +43 1 2244 0**

**IEP Technologies - Belgium**
**(HOERBIGER Safety Solutions)**
**Tel: +49 2102 5889 0**

**IEP Technologies - Finland**
**Tel: +358 10 325 358 0**

**IEP Technologies – France**
**Tel: +33 1 5803 3980**

**IEP Technologies – Germany**
**Tel: +49 2102 5889 0**

**IEP Technologies - Italy**
**(HOERBIGER Safety Solutions)**
**Tel: +39 045 2370762**

**IEP Technologies - Sweden**
**(HOERBIGER Safety Solutions)**
**Tel: +46 70 564 3306**

**IEP Technologies – Switzerland**
**Tel: +41 62 207 10 10**

**IEP Technologies – Turkey**
**Tel: +90 232 484 4412**

**IEP Technologies – UK**
**Tel: +44 1242 283 060**

**IEP Technologies – USA**
**Tel: +1-855-793-8407**

**IEP Technologies – Latin America**
**(HOERBIGER Safety Solutions)**
**Tel: +55 (11) 4446 7400**

**IEP Technologies – China**
**(HOERBIGER Safety Solutions)**
**Tel: +86 21 6485 0855 Ext 8211**

**IEP Technologies – South East Asia**
**(HOERBIGER Safety Solutions)**
**Tel: +65 6890 0770**



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