

CONEX

CONTROLLER



Interceptor®
Intelligent Controls

Conex®



The CONEX® controller is designed to be used in conjunction with the Interceptor®-HRD chemical suppression and isolation systems.

The controller features the ability to operate up to two independent operating zones at a time.

A user interface is provided by a LCD screen, push button navigation, and signaling lights on the front of the controller enclosure. The interface includes a searchable data log and electrical lockout key switches for each zone. Each zone features three programmable dry contact relays are provided by the controller to signal for actuation, faults, or other operational states.

This controller evaluates information from detectors and subsequently gives a signal to activate the HRD extinguishing agent delivery system upon detection of an explosion vent. It controls the entire system as well as evaluates any malfunctions and provides the user with an interface for the HRD system.

Chemical suppression and isolation systems are designed for use in almost any process handling combustible dust.

The Interceptor®-HRD system can be used for pneumatic conveying systems, dust collection systems, cyclones, mills, dryers, bucket elevators, conveyors, and storage vessels. The Interceptor®-HRD system can be used for pneumatic conveying systems, dust collection systems, cyclones, mills, dryers, conveyors, and storage vessels.

FEATURES

NFPA 69 Compliant

The CONEX® Controller is a compliant solution in NFPA 69 and is compliant for FM 7-76. CONEX® has an ATEX approval for suppression of a variety of different types of dusts.

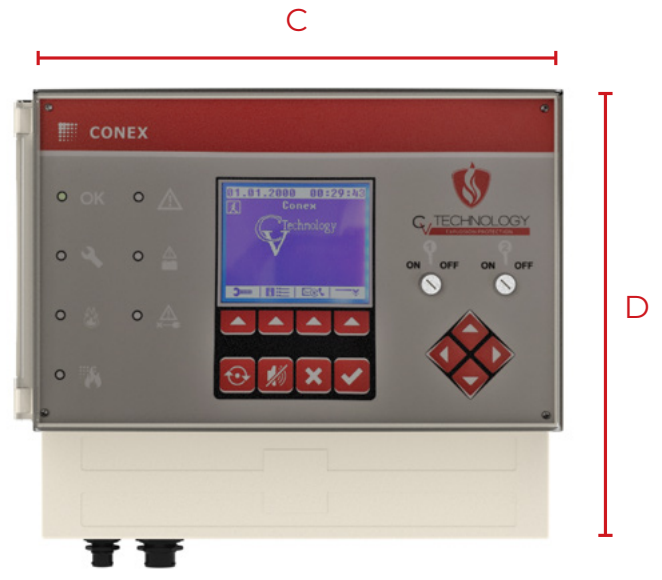
Multi Zone Versions

The CONEX® Controller can be configured to 2, 4, 6, or 8 zone variants. Each zone can operate independently or custom programmed.

CONEX® Technology

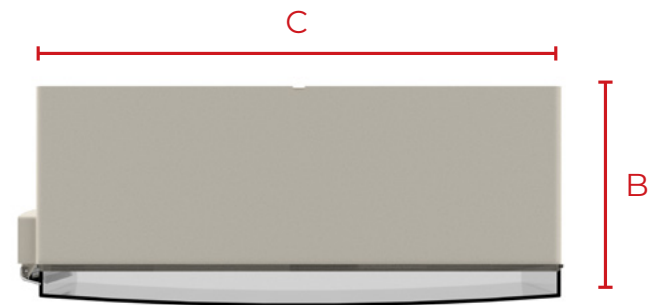
The CONEX® Controller must be able to reliably detect, evaluate, and activate in milliseconds to properly suppress a dust explosion at an early stage. The Control Unit accomplishes this goal with a fast acting processor and multi-zone interface.

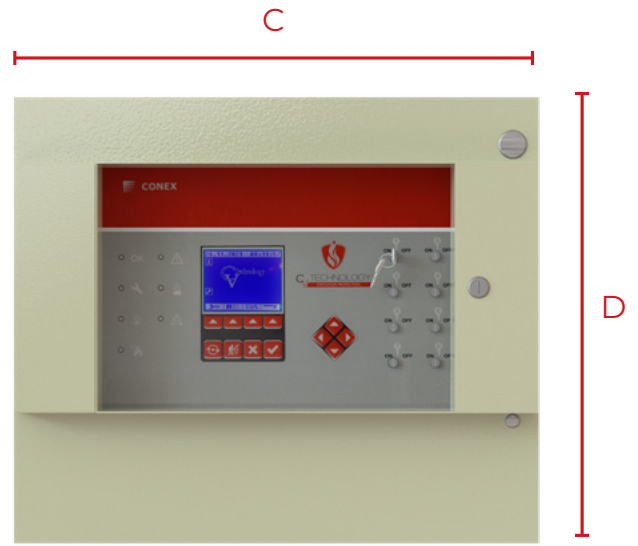
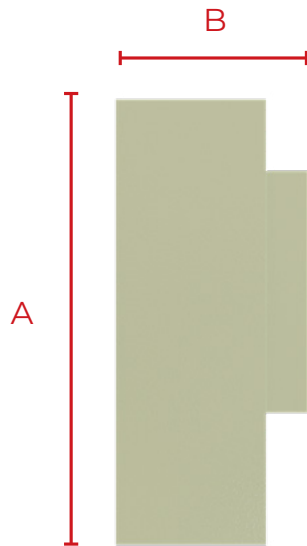




● DIMENSION

A (in.)	B (in.)	C (in.)	D (in.)
13.09	6.81	15.10	12.50





● DIMENSION

A (in.)	B (in.)	C (in.)	D (in.)
23.60	9.25	25.39	23.60



SPECIFICATIONS



	Description
Compliance and Certifications:	NFPA 69 ATEX, EN 14373 Certified FM 7-76
Versions:	2-Zone HRD Controller 4-Zone HRD Controller 6-Zone HRD Controller 8-Zone HRD Controller 2-Zone VE and SG Controller 4-Zone VE and SG Controller
Supply voltage:	110VAC to 230VAC
Power supply breaker:	10A
Power Supply Cable:	16 Gauge
Maximum Power Supply Cable:	14 Gauge
Current Consumption:	100mA to 2.5A – 2-Zone 100mA to 10A – 4-Zone, 6-Zone, 8-Zone
Environmental Ingress:	IP65
Response Time:	<3ms
Operating Temperature:	-4°F to 122°F (-20°C to 50°C)
Detection Line (power supply)	24VDC/ 0 to 255 mA
MGG Output Circuit (voltage / current):	24VDC/2A
Relay outputs:	24 VDC/8 A
Display Screen:	LCD Display
Memory Log:	1024x events
Interfacing:	Push Buttons and Key Switches
Battery Back-Up:	HRD – 24 Hours VE/SG – 4 Hours or 24 Hours
Detection Pairings:	Single DetEx Pressure Detector Dual DetEx Pressure Detector LumEx Optical Detector EVS Module
Paired Standard Accessories:	Barrier Box (provided with all HRD Systems) PVM Module (provided with all VE Systems) IVM Module (provided with all SG Systems)

Contact us for more info!

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