



C-TECHNOLOGY®  
FIRE AND EXPLOSION PROTECTION



# CONEX

## CONTROLLER



# 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

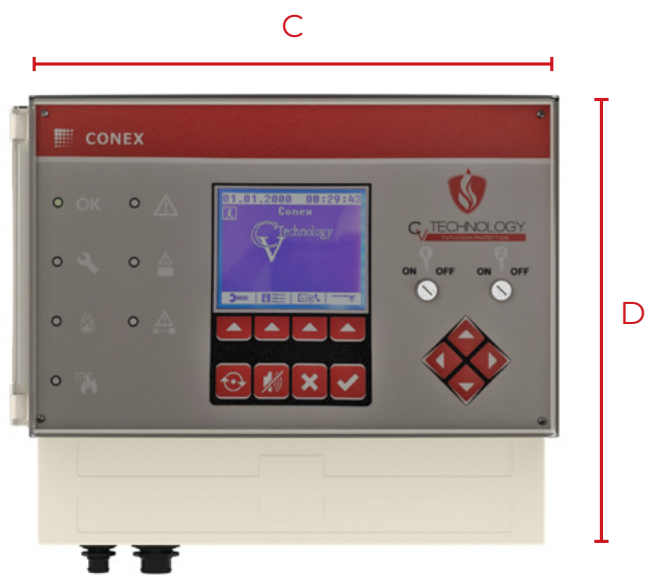
The CONEX® Controller can be configured to 2, 4, 6, or 8 zone variants. Each zone can operate independently or custom programmed.

## 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.

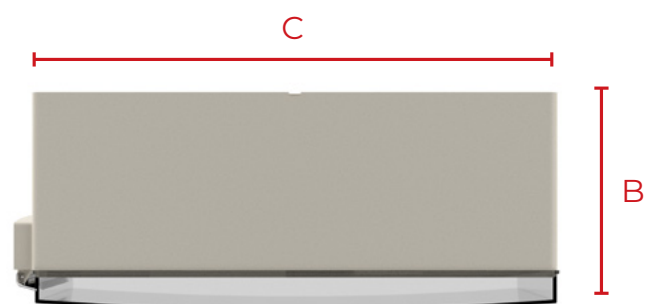


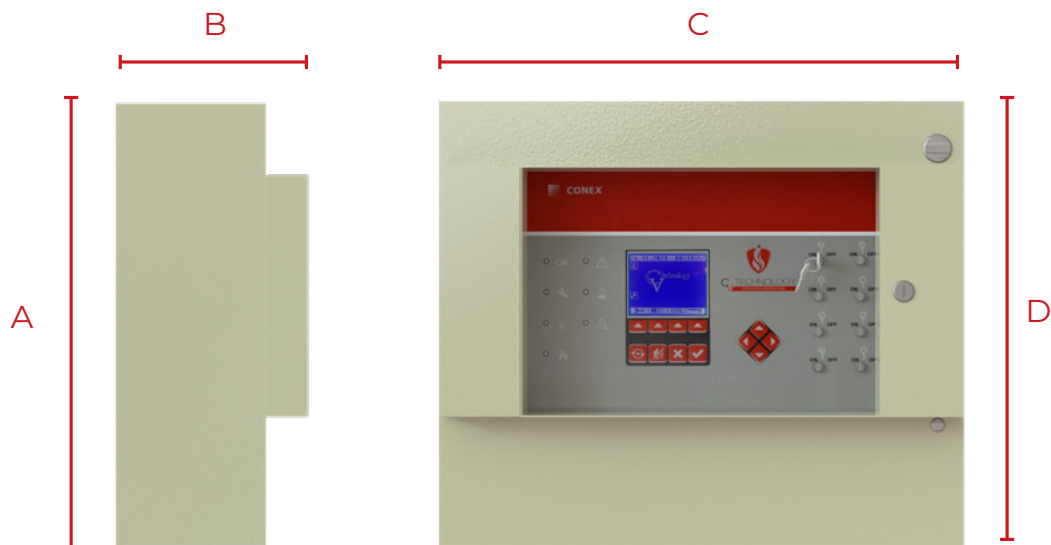




## ● DIMENSION

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