**EX8000™**
**MULTI ZONE CONTROL UNIT**

**PRODUCT INFORMATION SHEET**

**Description**

The Multi Zone Control Unit CIE (Control and Indication Equipment) assumes both control and system verification functions. The whole electronic system is integrated on a modern and reliable board with redundant circuitry. Power supply, emergency battery and connection technology are accommodated within a cabinet.

Any signals emerging from the explosion pressure, spark, flame or temperature sensors employed are recorded, tested and evaluated by the CIE. The monitoring and activation lines are continuously checked with regard to wire breakage, earth fault and short circuit. In addition, an automatic self-test system ensures that all important functions of the CIE are monitored electronically. In case of power failure the emergency battery automatically takes over without interruption. Power can be sustained for approximately 4 hours.

All fault and alarm messages are displayed by both light emitting diodes (LED) and a liquid crystal display (LCD) and can be forwarded by means of potential-free contacts.

The EX8000™ offers maximum flexibility to users of multi zone applications through its modular approach. Depending on the configuration of the explosion protection system the related protection measures are activated selectively. Up to 10 eSuppressor™ can be triggered by one activation circuit. As base unit it allows control and indication of four detection and activation circuits. Per configuration scale-up this can be up to 16 circuits within one standard wall mount unit. The floor mount cabinet version can handle even up to 32 zones. These features make the EX8000™ the most comprehensive solution on the market.

**Advantages**

- Compatible with IEP Technologies sensors, HRD-suppressors and slam valves
- Automatic self-test function to check function standby
- Redundant electronic system
- Functional safety SIL 2
- Readable memory with date stamp
- Configuration options for various process requirements
- Free assignment of potential-free contacts in coordination with process-control
- Arming and disarming of individual plant sections
- Fault and alarm display with light diodes and text indicators, allowing easy correlation
- Built into robust standard floor or wall cabinets
Industrial process vessels such as silos, filters, cyclones, mixers and dryers, in which explosive products are processed, transported and stored, are exposed to the risk of an explosion if a combustible product coincides with an ignition source and oxygen. The EX 8000™ control unit offers an economical solution to protect these processes with a high level of safety and reliability.

## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>Input Voltage:</strong></td>
<td>Input Voltage: 230 VAC, 50/60 Hz. Option: 110 VAC, 50/60 Hz.</td>
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<tr>
<td><strong>Emergency Power Supply:</strong></td>
<td>Emergency Power Supply: 2x12 V, 15 AH. Power failure bridging time: 4h</td>
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<td><strong>Cabinet:</strong></td>
<td>Cabinet: Powder-coated steel cabinet wall-mounted. Alternative: floor cabinet Colour: grey, RAL 7035</td>
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<tr>
<td><strong>Dimensions:</strong></td>
<td>Dimensions: 600(w) x 800(h) x 220(d)</td>
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<td><strong>Ambient Temperature:</strong></td>
<td>Ambient Temperature: -10°C – +40°C</td>
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<tr>
<td><strong>Consumption:</strong></td>
<td>Consumption: 250 watts.” Detection Inlets: from min 4 to max 32 Activation circuits: from min 4 to max 32</td>
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