CONTROL PANELS FOR EXPLOSION PROOF PUMPS
SIMPLEX AND DUPLEX WITH INTRINSICALLY SAFE RELAYS

These intrinsically safe control panels are used on pump applications defined as a hazardous duty location. Lift stations in some regions fall under this classification. The intrinsically safe panel, in conjunction with an explosion proof pump, will provide a system that will not allow ignition of the explosive gases. The purpose of the control panel is to cycle a pump automatically. Each panel comes standard with pump run light(s), a high water audible and visual alarm, seal fail indicator(s), and a UL Listing. All panels come standard with a NEMA 4X rating for indoor or outdoor use.

These panels MUST NOT be in the space classified as needing explosion proof equipment. Special fittings that prevent the passage of flammable gases or vapors in a Class I area (NEC 501) are required. A qualified electrician must install all electrical systems. National Electrical Code (NEC) Articles 500 through 503 explain in detail the requirements for the installation of wiring or electrical equipment in hazardous locations. These articles along with other applicable regulations, local governing inspection authorities, insurance representatives, and qualified engineering/technical assistance should be your guides to the installation of wiring or electrical equipment in any hazardous or potentially hazardous location.

Control Panel Features:
• Intrinsically safe relays
• NEMA 4X enclosure
• Top mounted alarm light
• Hands-Off-Auto Toggle Switch for each pump
• Alarm horn with silence switch
• Magnetic motor contactor
• Lockable Latch
• Auxiliary Dry Contact/High Water Alarm
• Circuit breaker pump disconnect
• 3 or 4 variable float switch control operation (see FM0526)
• 2 year warranty
• The use of off-the-shelf components provide for relatively easy field maintenance and repair
• Green pump run pilot light for each pump
• Seal fail indicator light(s)
• Thermal cutouts for 3 Phase
• Duplex only - Lead/Lag alternating circuit
• For additional information refer to FM1596 (Simplex), FM0486 (Duplex), or consult the factory representative
### Standard Enclosure Dimensions

<table>
<thead>
<tr>
<th>Panel</th>
<th>Phase</th>
<th>Dimensions H x W x D (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplex</td>
<td>1</td>
<td>16 x 14 x 6</td>
</tr>
<tr>
<td>Duplex</td>
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<td>16 x 14 x 6</td>
</tr>
<tr>
<td>Simplex</td>
<td>3</td>
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</tr>
<tr>
<td>Duplex</td>
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<td>16 x 14 x 6</td>
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