**EZDS DECODER SYSTEM**

**Platform:** HCC or ICC2  
**Type:** Modular Decoder

**FEATURES**
- Low-cost two-wire system for HCC and ICC2 controllers
- Up to 54-station capacity, plus master valve
- No special wire or connectors required
- Allows hybrid operations of conventional and decoder stations (54 total stations max per controller)
- Programmable decoders with no serial numbers
- Wire paths possible for over 1 km; see wiring table
- No special grounding or surge arrestors required in-line
- EZ-1 single-station decoders have status LED for positive diagnostics
- P/MV can be activated by decoder or direct controller output
- EZ-DM output module works in any controller module slot

**ELECTRICAL SPECIFICATIONS**
- Electrical output on two-wire path: 24VAC~, 50/60 Hz
- Up to two standard 24VAC solenoids per EZ-1 decoder output
- Simultaneous stations on: Two, plus master valve
- Wire paths to field: Two (each may be tee-spliced in different directions)
- Earth grounding: Ground the controller as usual (no grounding required in the decoder line)
- System is compatible with DUAL-S surge arrestors if desired
- EZ-1 Decoders are IP68, submersible

**COMPATIBLE CONTROLLERS**
- HCC (including Hydrawise™ internet control)
- ICC2 (including Centralus™ internet control)

**APPROVALS**
- UL, c-UL, CE, RCM, FCC, Industry Canada

**WIRING TABLE**

<table>
<thead>
<tr>
<th>International Wire (mm²)</th>
<th>Distance (meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8 mm²</td>
<td>267</td>
</tr>
<tr>
<td>1 mm²</td>
<td>333</td>
</tr>
<tr>
<td>1.5 mm²</td>
<td>500</td>
</tr>
<tr>
<td>2.5 mm²</td>
<td>833</td>
</tr>
<tr>
<td>4 mm²</td>
<td>1,333</td>
</tr>
</tbody>
</table>

*Note: Distances in the Wiring Table are calculated based on 50 Hz with wire temperature of 50°C, and a 10% safety factor.*

**DECODER MODELS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EZ-DM</td>
<td>Decoder output module for HCC and ICC2 controllers</td>
</tr>
<tr>
<td>EZ-1</td>
<td>Single-station decoder with status LED</td>
</tr>
</tbody>
</table>