Unlike other two-wire systems, the Irritrol® Rain Master 2-wire protocol provides a two-way communication link between the controller, decoders and valves. This provides the means for testing and diagnostic capabilities within the 2-wire system. The simplicity of the 2-wire field installation, coupled with the enhanced capability of the Rain Master ‘E’ series controllers, sets a new precedent for 2-wire control within the irrigation industry.

KEY FEATURES & BENEFITS

**EVAPOTRANSPIRATION (ET) BASED SCHEDULING**
Maximizes water saving and irrigation efficiency

**FLOW SENSING AND CONTROL**
Monitors system flow and responds to upper, lower, unscheduled and no flow conditions

**2-WIRE INTERFACE MODULE**
Provides 2-wire capability for any Irritrol Rain Master Eagle controller

**DECODER TWO-WAY COMMUNICATION**
Provides troubleshooting diagnostics to retain system integrity

**PROGRAMMABLE DECODERS**
Provides flexibility in programming decoder identification
**MODULES**
- Easy-to-read LED status indication for every command
- LED also displays valve activation and diagnostic reporting
- Troubleshooting capabilities:
  - LED decoder “active” indication
  - LED valve power “on” indication
  - Two-way communication verification

**DECODERS**
- Each decoder has a unique address (programmable at the interface module)
- Decoders will automatically shut off if communication is lost
- Wire fault detection automatically shuts down any valve
- Valves can be operated up to 100’ radius of the decoder

**ELECTRICAL SPECIFICATIONS**
- Input power: 105-130V ac, 50/60 Hz, 0.5 amp maximum, 1 amp idle
- Output power: 24V ac, 1.5 amps maximum total output or (36 VA) 1.0 amp per station or master valve
- UL, CUL, and FCC approved

**SPECIFYING INFORMATION**

<table>
<thead>
<tr>
<th>Model</th>
<th>Controller Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TW-EG36</td>
<td>Rain Master Eagle, up to 36 decoders, rolled steel wall mount</td>
</tr>
<tr>
<td>TW-EG36-SB</td>
<td>Rain Master Eagle, up to 36 decoders, stainless steel wall mount</td>
</tr>
<tr>
<td>TW-EG36-SPED</td>
<td>Rain Master Eagle, up to 36 decoders, 14 gauge stainless steel security pedestal</td>
</tr>
</tbody>
</table>

**DIMENSIONS**
- TW model: H: 10” W: 13” D: 4.5”
- TW & SB model: H: 17.5” W: 13” D: 4.5”
- TW-SPED model: H: 35” W: 16” D: 14”

**OPTIONAL 2-WIRE DECODERS AND ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TW-D-1</td>
<td>Single valve AC decoder</td>
</tr>
<tr>
<td>TW-D-2</td>
<td>Dual valve AC decoder</td>
</tr>
<tr>
<td>TW-D-4</td>
<td>Quad valve AC decoder</td>
</tr>
<tr>
<td>TW-LA-1</td>
<td>Lightning arrester used every 600 feet</td>
</tr>
<tr>
<td>TW-SPLICE</td>
<td>14-gauge water-tight connectors</td>
</tr>
<tr>
<td>TW-CAB-14</td>
<td>14-gauge (red/black) Polycasted (blue) wire</td>
</tr>
</tbody>
</table>

We reserve the right to improve our products and make changes in the specifications and designs without notice and without incurring obligation. Products depicted in this brochure are for demonstration purposes only. Actual products offered for sale may vary in design and features.