

# 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 Hydrowise™ internet control)
- ICC2 (including Centralus™ internet control)

## APPROVALS

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

### WIRING TABLE

International Wire (mm <sup>2</sup> )	Distance (meters)
0.8 mm <sup>2</sup>	267
1 mm <sup>2</sup>	333
1.5 mm <sup>2</sup>	500
2.5 mm <sup>2</sup>	833
4 mm <sup>2</sup>	1,333

#### 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

Model	Description
EZ-DM	Decoder output module for HCC and ICC2 controllers
EZ-1	Single-station decoder with status LED



**Decoder Output Module**

Height: 115 mm  
Width: 64 mm  
Depth: 42 mm



**Single-station Decoder**

Height: 73 mm  
Width: 42 mm  
Depth: 16 mm



**Compatible with HCC Controller**



**Compatible with ICC2 Controller**

CONTROLLERS