DUAL® FOR I-CORE®

Number of Stations: **Up to 48**
Type: **Decoder**

FEATURES

- Two-wire decoder system for I-Core controllers
- Decoder station sizes available: 1, 2
- Field programmable decoders (no serial numbers to enter)
- DUAL-S external surge protection module
- DUAL decoder module display and push button programming make it easy to program decoders at the controller itself
- Decoder module displays decoder operation and diagnostic information
- Can operate up to 48 stations of combined decoder and conventional control making system retrofit easy
- Waterproof connectors for connection to two-wire path included with all DUAL decoders and DUAL-S surge protection
- Number of two-wire paths: 3
- Solenoid finder feature assists in locating valves in the field
- Wireless programming with ICD-HP
- ▶ Programmable decoders

DUAL SPECIFICATIONS

- Max. recommended distance, decoder to solenoid: 30 m
- Max. distance to decoder
- 2 mm^2 wire path: 1,500 m
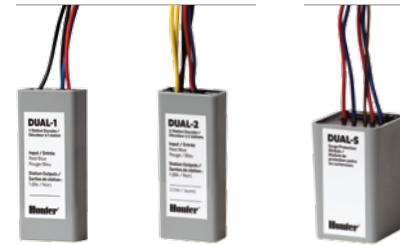- 3.3 mm^2 wire path: 2,300 m

APPROVALS

- CE, UL, cUL, C-tick, FCC

▶ = *Advanced Feature descriptions on pages 99*

DUAL48M Decoder Output Module
Height: 3.5 cm
Width: 11 cm
Depth: 10 cm

DUAL Decoders
Height: 7.6 cm
Width: 4.4 cm
Depth: 5 cm

Surge Arrestor
Height: 7 cm
Width: 4.4 cm
Depth: 5 cm

CONTROLLERS

DUAL		
Base Model	**Plus**	**Description**
IC-600-PL	DUAL48M	48-Station controller, indoor/outdoor, plastic cabinet (USA)
IC-601-PL	DUAL48M	48-Station controller, indoor/outdoor, plastic cabinet (international)
IC-600-M	DUAL48M	48-Station controller, indoor/outdoor, metal cabinet
IC-600-PP	DUAL48M	48-Station controller, indoor/outdoor, plastic pedestal
IC-600-SS	DUAL48M	48-Station controller, indoor/outdoor, stainless steel cabinet

DUAL Model	Description
DUAL48M	Dual decoder output module. Plug-in module converts any I-Core controller to two-wire decoder system (up to 48-Station maximum)
DUAL-1	DUAL 1-Station decoder (includes 2 DBRY-6 connectors)
DUAL-2	DUAL 2-Station decoder (includes 2 DBRY-6 connectors)
DUAL-S	Dual surge arrestor (includes 4 DBRY-6 connectors)

ID WIRE MODEL GUIDE			
2 mm^2 Decoder Cable		**3.3 mm^2 Long Range, Heavy-duty Decoder Cable**	
ID1GRY	Grey jacket	ID2GRY	Grey jacket
ID1PUR	Purple jacket	ID2PUR	Purple jacket
ID1YLW	Yellow jacket	ID2YLW	Yellow jacket
ID1ORG	Orange jacket	ID2ORG	Orange jacket
ID1BLU	Blue jacket	ID2BLU	Blue jacket
ID1TAN	Tan jacket	ID2TAN	Tan jacket

MAXIMUM WIRE RUNS	
ID 1 Wire	**ID 2 Wire**
1500 m with I-Core/DUAL systems	2300 m with I-Core/DUAL systems
3 km with ACC/ICD systems	4.5 km with ACC/ICD systems