

DUAL®

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
- Warranty period: 5 years
- ▶ [Programmable decoders](#)

DUAL SPECIFICATIONS

- Max. recommended distance, decoder to solenoid: 100'
- Max. distance to decoder:
 - 14 AWG wire path: 5,000'
 - 12 AWG wire path: 7,500'

APPROVALS

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

▶ = [Advanced Feature descriptions on page 88](#)



DUAL48M Decoder Output Module

Height: 1.4"

Width: 4.4"

Depth: 4"



DUAL Decoders

Height: 3"

Width: 1.75"

Depth: 2"

Surge Arrester

Height: 2.75"

Width: 1.75"

Depth: 2"

DUAL		
Base Model	Plus	Description
IC-600-PL	DUAL48M	48-station controller, indoor/outdoor, plastic cabinet
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 arrester (includes 4 DBRY-6 connectors)	

ID WIRE MODEL GUIDE

14 AWG Decoder Cable		12 AWG Long Range, Heavy-Duty Decoder Cable	
ID1GRY	Gray jacket	ID2GRY	Gray 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
5,000 ft. with I-Core/DUAL systems	7,500 ft. with I-Core/DUAL systems
10,000 ft. with ACC/ICD systems	15,000 ft. with ACC/ICD systems