DUAL

Hunter®

2-WIRE SYSTEM MADE FOR

I▸CORE

I-CORE FEATURES

- 4 Independent programs
- 8 Start times per program (A, B, C); 16 (D)
- Max. station run time: 12 hrs
- Easy Retrieve™ memory
- Compatible with Hunter Clik sensors and other micro-switch type weather sensors
- One touch manual start and advance for easy manual operation
- Real-time flow monitoring with Hunter HFS flow sensor
- Flow monitoring and alarms to station level
- Rain sensor bypass
- Programmable rain delay
- Manual cycle
- Automatic short circuit protection
- Seasonal adjustment (global): 0% to 300% (in 1% increments)
- Seasonal adjustment (monthly)
- Delay between stations (maximum): 9 hrs
- Sensor programmable by zone
- Simultaneous program operation: Any 2
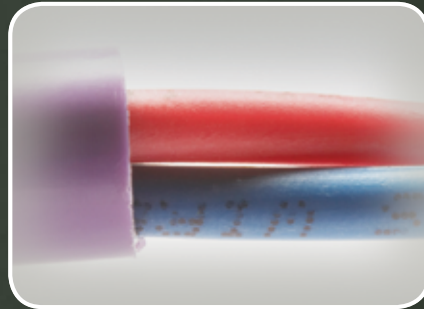- Total run time calculator

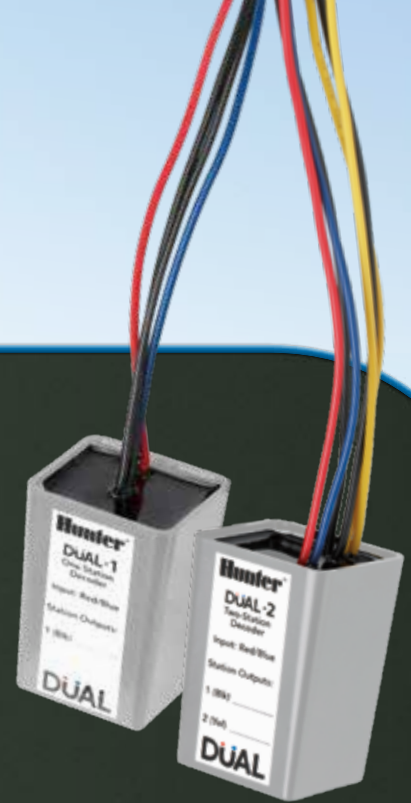# I▸CORE

DUAL DECODER CORE COMPONENTS

DUAL48M I-CORE MODULE

The module is what makes it Dual. Simply install the DUAL48M module to any I-Core, and your controller is now two-wire ready. With a capacity of up to 48 stations, I-Core Dual is able to be customized for any size job. And with the flexibility of two-wire technology, it's a snap to expand the number of stations of a pre-existing system without additional wiring.
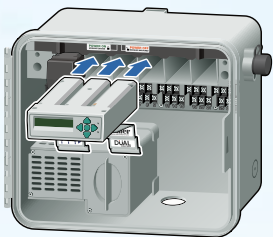
JACKETED IDWIRE

Hunter's color-coded, twisted pair IDWIRE is jacketed for easily-installed direct burial wiring that resists surges and electrical noise, while providing high tensile strength for permanent in-ground installation. And with only one line to run from I-Core, materials costs are reduced.
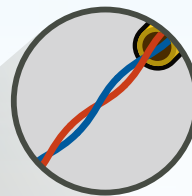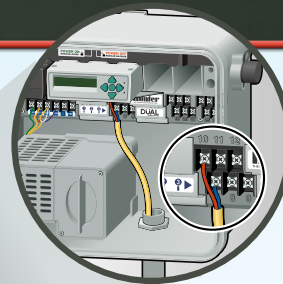
SIMPLE, RELIABLE DECODERS

Hunter's all-new Dual decoders are waterproof, color-coded, and field programmable. They keep the power in decoders but take the mystery out.

Easy Installation

The Dual decoder module easily plugs into the I-Core controller converting it to 2-wire/decoder control. Up to 3 two-wire paths can be wired to the controller allowing maximum design flexibility.

Connect and Go

The DUAL48M decoder output module includes its own user interface, just for decoder functions. The Dual module can also co-exist with conventional ICM-600 station modules.
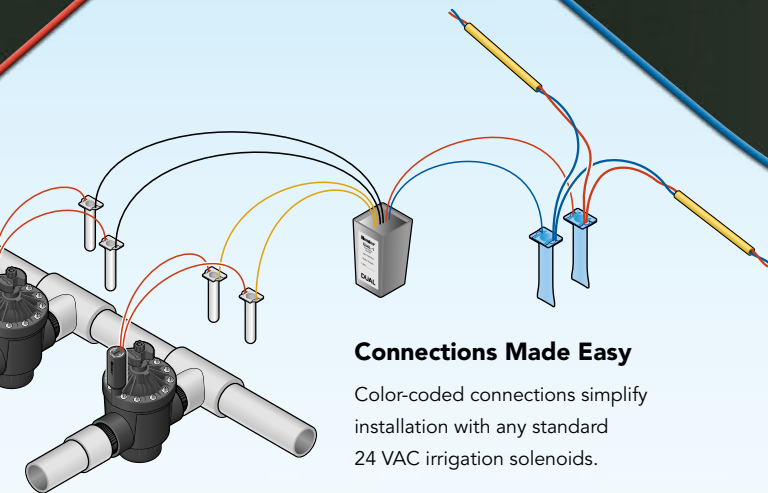
CUSTOMIZABLE SURGE PROTECTION

With Dual-S surge suppressors, any system is easily designed for your region's level of surge protection needs.

EASY PROGRAMMING WITH ICD-HP

Program, test, and diagnose decoders without disconnecting any wires. The ICD-HP uses wireless induction to program and communicate with new or installed decoders, right through the decoder body.
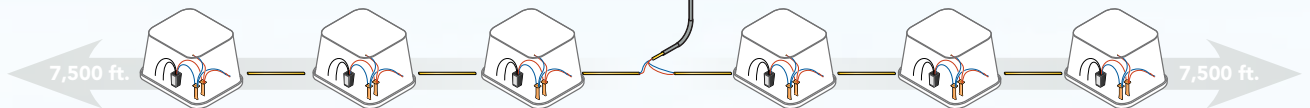
Connections Made Easy

Color-coded connections simplify installation with any standard 24 VAC irrigation solenoids.

7,500 Feet Each Direction

Wire up to 7,500 feet of 12 AWG or 5,000 feet of 14 AWG.

7,500 ft.

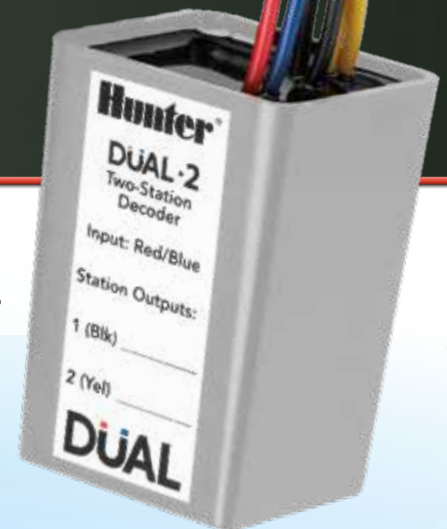7,500 ft.

Two Wires,
Infinite Capabilities

With all the intelligent features of I-Core, upgrading to Dual just means you're doing the best job even faster. Now the intuitive I-Core, the controller of choice for mid-range commercial projects, can be converted to two-wire capability with a Dual module. You'll see savings in labor, maintenance, troubleshooting, and wire, all while enjoying I-Core's state of the art features and benefits, including real-time flow monitoring, quick access to a whole system overview, a factory-installed SmartPort®, six language capability, and a bold, graphic display. And with the familiar programming of a Hunter controller, installing that first two-wire system is no problem for both you and the client. Just as Hunter

pioneered the successful technology of modular controllers for the industry, they are bringing the groundbreaking two-wire decoder innovation to irrigation professionals for all sizes of systems. Why run 50 wires when you only need two?

Dual decoders come in one and two-station versions. Aptly named Dual-1 and Dual-2, the decoder choices ensure any I-Core Dual system is customizable to the needs of any installation.

Why run 50 wires when you only need two?

DUAL
CONNECT AND GO

Hunter®
DUAL·2
Two-Station Decoder

Input: Red/Blue

Station Outputs:

1 (Blk) _____

2 (Yel) _____

DUAL

Charts and Specs

I-Core

Electrical Specifications

- Transformer input: 120/240 VAC, 50/60 Hz
- Transformer output (24 VAC): 1.4 A
- Dual voltage transformer (120/240 VAC)
- DUAL48M output: 34V peak to peak, non-sinusoidal
- Dual decoder (DUAL-1 and DUAL-2) power consumption: Standby, 3-4mA; Active, approximately 40mA per solenoid
- P/MV output (24 VAC): 0.56 A
- Simultaneous station operation (includes master valve): 5 valves
- Real-time flow monitoring with Hunter HFS (see table for fittings)
- Clik sensor inputs: Plastic–2; Metal–3
- Operating temperature: 0° F to 140° F

Approvals

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

BASE MODELS

IC-600-PL = 6-Station controller, indoor/outdoor, plastic cabinet
IC-601-PL = International version, 6-Station controller, indoor/outdoor, plastic cabinet
IC-600-M = 6-Station controller, indoor/outdoor, metal cabinet
IC-600-PP = 6-Station controller, indoor/outdoor, plastic pedestal

HFS FLOW SENSOR FCT FITTING MODELS

Model	Material	Dia (in)	Dia (mm)
FCT-100	Sch. 40 (white)	1	25
FCT-150	Sch. 40 (white)	1.5	37
FCT-158	Sch. 80 (gray)	1.5	37
FCT-200	Sch. 40 (white)	2	50
FCT-208	Sch. 80 (gray)	2	50
FCT-300	Sch. 40 (white)	3	75
FCT-308	Sch. 80 (gray)	3	75
FCT-400	Sch. 40 (white)	4	100

All tees are glue/slip type fittings.

Dual Models

- Decoder station sizes available: 1, 2
- Max. distance to decoder, 14 AWG wire path: 5,000 ft; 12 AWG wire path 7,500 ft.
- Max. recommended distance, decoder to solenoid: 100 ft
- Field programmable:
  - Dual decoder module display and push button programming makes it easy to program decoders at the controller itself
  - Dual decoders can be field programmed with the Hunter ICD-HP. No need to remove decoders from the two-wire path
- Decoder module displays decoder operation and diagnostic information including current draw in milliamps
- Can operate up to 48 stations of combined decoder and conventional control making system retrofit easy
- Dual-S external surge protection
- Waterproof connectors for connection to two-wire path supplied with all Dual decoders and Dual-S surge protection
- Number of 2-wire paths: 3

DUAL MODELS

DUAL48M = Dual decoder output module. Plug-in module converts any I-Core controller to 2-wire decoder system (up to 48 stations 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

14 AWG/2 MM² STANDARD DECODER CABLE		12 AWG/3.3 MM² 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