PILOT® DECODERS

Application: **Golf**
Number of Stations: **999**
Type: **Decoder System**

Decoder installations continue to be one of the fastest growing forms of technology in irrigation control. A key advantage over conventional systems is that decoders use less wire for an overall irrigation system. That means lower cost, quicker installation time, and easier system diagnosis and repair if needed. Systems can be easily expanded—with minimal digging and disruption of landscaping—by adding in more decoders rather than running additional wires.

Pilot enables you to take advantage of this cost-efficient approach. Pilot decoders are available with 1, 2, 4 and 6-station outputs, making it possible to run each head on an entire green with a single decoder. In all, decoders let you operate up to 999 stations out to 4.5 km from a single hub.

Pilot decoder systems include built-in surge suppression, colour-coded wire connections, true independent station control, programmable station addresses, and two-way feedback to the controller with confirmation and status indication.

Pilot-SG surge protectors are required when a system is designed and installed with Decoder-In-Head (DIH) rotors.

Pilot Decoder Hub

Water-Resistant Keypad
Backlit display and secondary LED facepack means it can be used day or night

Diagnostic LED Indicators
For all functions on decoder output module

250-Station Output Modules
Enable your decoder hub to grow with your course. Start with 250 - grow to 999

Pilot Decoders
1 & 2 Station Decoders:
Height: 9 cm
Width: 4 cm
Depth: 2.5 cm
Weight: 150 g

4 & 6 Station Decoders:
Height: 9 cm
Width: 4.5 cm
Depth: 4 cm
Weight: 250 g

Distinct yellow design makes it much easier to find decoders in dark valve boxes or buried in the soil.

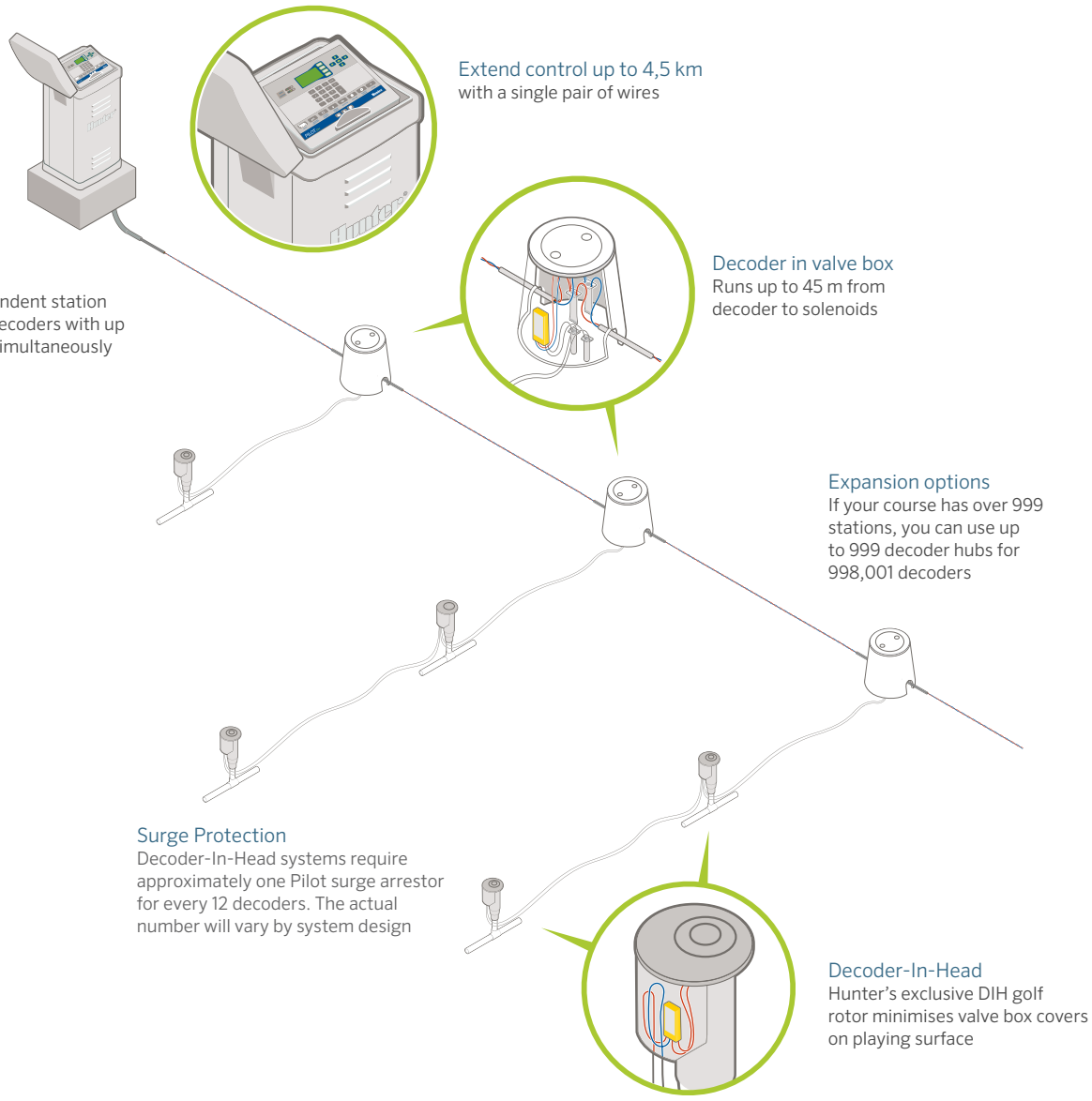
DS-G Surge Ground Arrestor

All DIH rotors include two 3M DBRY-6 splices for connection to the 2-wire path. DIH rotor control systems require grounding with Pilot-SG surge suppressors coupled to appropriate grounding plate or rod. Hunter recommends a minimum of one Pilot-SG for every 12 installed DIH rotors or as per project specification.

PILOT-DH – SPECIFICATION BUILDER ORDER 1 + 2 + 3

1 Model	2 Standard Features	3 Options	
Pilot-DH250 (250-station)	Plastic pedestal (grey)	**S**	Stand-alone decoder hub with no central communications
Pilot-DH500 (500-station)		**HWR**	Hardwire communications
Pilot-DH750 (750-station)		**UHF**	UHF radio communications (where permitted, licence required)
Pilot-DH999 (999-station)		**LF**	Licence-free spread spectrum radio communications (900 MHz for North America and where permitted)

Examples:
Pilot-DH250-S = 250-station, stand-alone decoder hub with no central communications
Pilot-DH999-HWR = 999-station decoder hub with hardwire communications



Extend control up to 4,5 km
with a single pair of wires

Pilot-DH
Provides independent station control of 999 decoders with up to 120 running simultaneously

Decoder in valve box
Runs up to 45 m from decoder to solenoids

Expansion options
If your course has over 999 stations, you can use up to 999 decoder hubs for 998,001 decoders

Surge Protection
Decoder-In-Head systems require approximately one Pilot surge arrestor for every 12 decoders. The actual number will vary by system design

Decoder-In-Head
Hunter's exclusive DIH golf rotor minimises valve box covers on playing surface

DECODERS – SPECIFICATION BUILDER ORDER 1

1 Model		2 Standard Features
Pilot-100	1-station decoder	Built-in surge protection
Pilot-200	2-station decoder	DBRY-6 Waterproof Connectors included
Pilot-400	4-station decoder	
Pilot-600	6-station decoder	
Pilot-SG	Inline surge protection (for DIH rotor systems)	

Example:
Pilot-100 = 1-station decoder

Wireless Programming!
Communicate with decoders directly through plastic case: wireless electro-magnetic induction saves waterproof connectors

See the ICD-HP on page 207