

# Hunter®

G O L F

## Decoder Modules

One of the fastest growing technologies in Hunter's central control family of products is our full line of two-wire "Viking" decoder products. It isn't surprising when you consider the cost savings, programming flexibility, and overall rugged simplicity of Hunter decoder systems.

Hunter's decoder controllers can operate up to 103 stations each over a single twisted pair of solid copper wire, and provide both power and signal to the decoders and valve solenoids on the same wires. Hunter decoders are designed to work with standard 24VAC solenoids, and squeeze every penny's worth of performance out of our controller products. Actual decoder circuitry is embedded in waterproof epoxy and impervious to environmental conditions. From Swedish winters to Florida summers, Hunter decoder systems are built to take extremes.



For closely spaced heads, greens, and tees, a four-station module is available to reduce cost and labor even further. Hunter even offers the first decoder-in-head sprinkler with our new mini-decoder, for installation in the G800 Series of top-serviceable rotors.

Best of all, Hunter decoders work with the same Genesis and Vista control system as all of our other central control products...no new systems to learn or complicated systems to design. You can even mix and match decoder and conventional controllers within the same system when adding new areas to central control.

**Hunter  
Decoders**

*For Use  
With Genesis  
Or VSX  
Decoder  
Controllers*

### FEATURES & BENEFITS



#### **Two-wire, color-coded decoder module connections**

Eliminate "rat's-nest" wiring in controllers reduce system wiring costs, and simplify diagnostics, with easy installation

#### **Up to 103 stations per controller**

Higher capacity means fewer controller dollars per project

#### **More active solenoids per controller, simultaneously**

Allows greater flexibility in programming

#### **Waterproof, epoxy-filled, solid state modules**

High reliability and survivability, field-proven in the harshest environments (when mounted in valve boxes and grounded as specified)

#### **Custom lightning and surge protection**

Unique in-line and end-of-line surge protection modules install easily and protect your investment

#### **Built-in thermal circuit breaker**

Automatically protects against overload, self-resets when trouble is past

#### **Four-station decoders for maximum savings**

Four separate color-coded outputs for each independently controlled station, in a single module

#### **Mini-decoders for ultimate convenience with minimum wiring**

Decoder-in-head option (for all G800 Series VIH rotors) eliminates extra valve boxes and wire runs, another Hunter innovation

## Models

GVIKDEC: Single station decoder (two solenoid capacity)

GVIKDEC4: Four station decoder

MINIDEC1: Single station mini-decoder (single solenoid only)

GVIKLSPN: In-line surge protection module

GVIKLSPE: End-line surge protection

## Dimensions

- GVIKDEC: H 3.26" (8.3cm) W 1.96" (5cm) D 1.57" (4cm)
- GVIKDEC4: H 3.26" (8.3cm) W 1.96" (5cm) D 1.57" (4cm)
- MINIDEC1: H 3.62" (9.2cm) W 1.57" (4cm) D .78" (2mm)
- GVIKLSPN: H 2.95" (7.5cm) W 1.96" (5cm) D 1.37" (3.5cm)
- GVIKLSPE: H 2.95" (7.5cm) W 1.96" (5cm) D 1.37" (3.5cm)

## Decoder Electrical Characteristics\*

### Power Draw:

- MINIDEC1: 1 mA (idle), 20 mA (per active solenoid)
- GVIKDEC: 1 mA (idle), 20 mA (per active solenoid)
- GVIKDEC4: 1 mA (idle), 20 mA (per active solenoid)

### Solenoid Capacity:

- MINIDEC1: 1, max
- GVIKDEC: 1 to 2 simultaneously
- GVIKDEC4: 1 to 4 simultaneously

## Decoder Wire Pair Requirements (from controller)

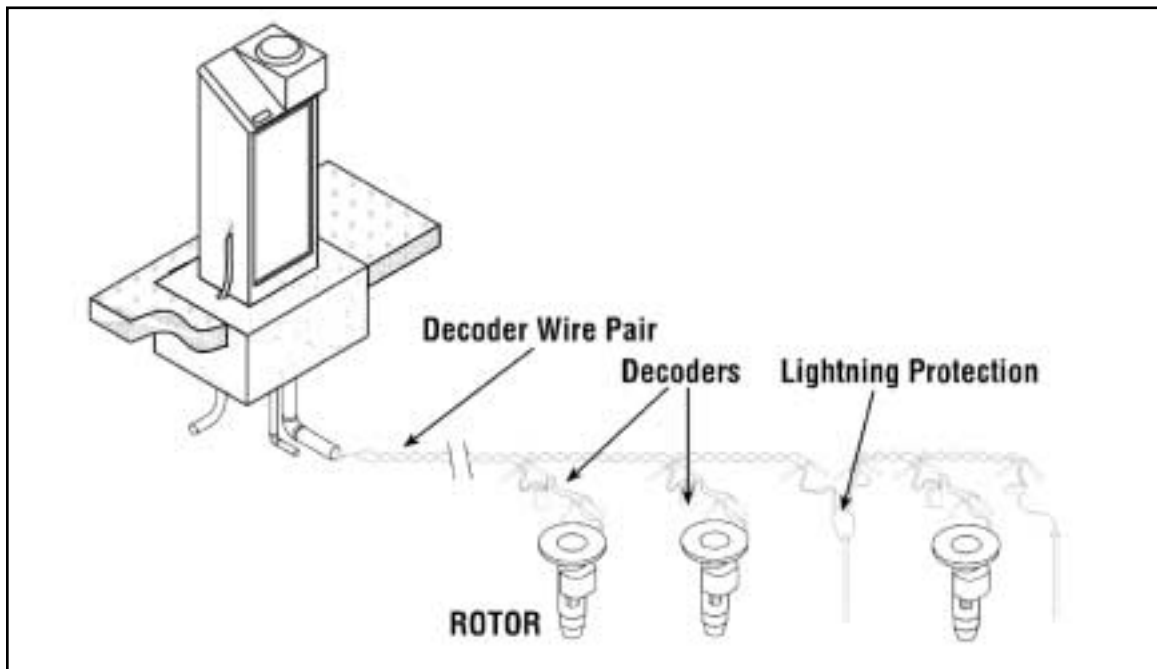
- GVIKCBL1: 14/2 AWG/1.5mm (to 10,000 feet/3000m)
- GVIKCBL2 12/2 AWG/2mm (to 15,000 feet/4500m)

## Decoder-to-Solenoid Wiring

- 18 AWG/1.024mm, twisted (100feet/30m)



MINIDEC1 with G800 series valve-in-head.



The decoder concept is simple: run a single pair of wires from the controller (up to 15,000 feet or 4500 m), then splice a decoder module into the color-coded wire pair, wherever you want to add valve control (or valve-in-head sprinklers). A short run of wire connects the decoder to the valve solenoid (up to 100 feet/30 m or more from decoder to solenoid).