

Hunter®

ICD100/200 Series Decoder

Installation Instructions

This package includes:

- (1) ICD100 or ICD200 decoder module
- (1) Instruction Sheet

Tools/supplies required* (not included):

- DBR-6 high-voltage waterproof connectors or equivalent
- DBY waterproof connectors or equivalent
- Wire strippers
- Optional earth grounding hardware

The ICD Series decoders may be connected to the Hunter ACC, AGC, Genesis, VSX, and IDS decoder controllers.

- In the ACC or AGC controllers, each decoder is programmed with station address(es) at the controller, **before installing it in the 2-wire path**. These controllers have a programming port on the decoder output module. Program the station number(s) into the decoder, and then write the station number assignments on the metallic tag on the decoder. The 8-digit serial number is not used in the decoder set-up on these controllers.
1. In the ACC/AGC series of controllers, first Insert the red and blue wires from the decoder into the Programming Ports on the decoder output module (ADM99).
 2. Use the procedure in the ACC / AGC owner's manual for addressing decoders. Use a ballpoint pen to write the station number(s) on the decoder's metallic tag.

Each decoder output can power two standard 24VAC Hunter solenoids. They must be wired in parallel, as shown in step 9.

- In **Genesis, VSX, and IDS controllers**, the decoder can be installed on the 2-wire path before giving it a station address using the 8-digit serial number. The 8-digit serial number is required for station addressing on the Genesis, VSX and IDS controllers.
- Note and record the 8-digit serial number on the decoder body, and then use the controller keypad to indicate which station number(s) will be assigned to the decoder (see controller manual).

Installing the decoder:

1. Controller power must be OFF when installing decoders in the 2-wire path.
2. Select the decoder location (unless you are replacing an existing decoder). Decoders should be within 100 feet/33m of the solenoids they will operate. Decoders are waterproof, but should be installed in a valve box to facilitate future service and increase longevity.
3. Locate the 2-Wire path. These are the Red and Blue wires coming from the controller. The wire path must be cut to insert decoder wiring, unless you are replacing an existing decoder.

Be sure to leave enough slack in the wire path to allow easy connection of the decoder, and to allow for contraction of wiring due to temperature changes. Hunter recommends at least 5ft./1.5m slack for each decoder, to allow it to be removed from the valve box completely for installation, service, and inspection.

4. Identify the color-coded wires on the decoder. The red & blue wires connect to the red and blue wire path from the controller.
5. Strip the cut red and blue wire ends back approximately ½ inch (12mm).
6. Twist the stripped red wire ends (the ends from the 2-wire path and the decoder) together, and thread securely into the wire nut

