ACC2 DECODER
Next-Generation Commercial Controller

Hunter’s next-generation ACC2 Decoder controller provides powerful irrigation management and monitoring capabilities for complex commercial projects.

The ACC2 Decoder controller is specifically designed to manage Hunter ICD decoders on large projects, and is expandable to 225 stations. The controller offers extreme flexibility, with 32 independent programs, 10 start times, and a variety of overlapping, stacking, and management configurations.

The powerful Flow Manager takes full advantage of sophisticated irrigation designs, watering as much as possible in the shortest possible amount of time — up to 30 simultaneous solenoids (20 per output module).

The all-new design features a full-color, backlit LCD display in a reversible facepack that operates all functions in either position, making field service a breeze. Finally, advanced features such as Flow Monitoring deliver fast diagnostics of abnormal flow conditions and accurate histories for up to six flow zones.

Now available with a variety of communications options for the cloud-based Centralus™ irrigation management platform, the ACC2 Decoder controller is truly second to none.
The reversible facepack has a full-color, easy-to-read backlit display. The facepack is fully operational in either position, allowing programming and diagnostics while facing the modules and wiring.
**Features and Benefits**

- Number of stations: 75 to 225
- Type: modular decoder
- Enclosure: outdoor metal, stainless steel, plastic wall mount, and plastic pedestal
- Full-color, high-resolution backlit display (reversible)
- Independent programs: 32
- Start times per program: 10
- Station run times: 15 seconds to 12 hours
- Optional Block programming for up to 64 groups of up to eight stations
- Up to 30 simultaneous solenoids (20 per output module)
- Optional Wi-Fi interface
- Real-time flow monitoring (up to six flow meters and flow zones)
- Up to six Pump/Master Valve outputs, Normally Open or Normally Closed
- Flow Management (runs flow zones to specified capacity)
- Monthly flow budgeting
- Built-in Solar Sync logic/Solar Sync Delay feature
- SD card updates and log storage
- 12 selectable languages

**Advanced Features**

- Operates all Hunter ICD decoders
- Three two-wire paths per output module
  - Up to 10,000’ on 14 AWG
  - Up to 15,000’ on 12 AWG
- Replaceable automotive fuses included in each output module
- P/MV and flow sensor assignments either locally or via two-wire path
- Decoder inventory and update via two-wire path
- Decoder/solenoid finder
- Wire Test Mode for field diagnostics
- ICD-HP wireless programmer compatible
- Conditional Response programming allows program or station activation on sensor input
- Compatible with Centralus web-based control systems

**Electrical Specifications**

- Transformer input: 120/230 VAC, 50/60 Hz
- Max AC current draw: 120 VAC, 2 A / 230 VAC, 1 A
- Transformer output: 24 VAC, −3 A
- P/MV outputs (24 VAC): up to six; three dedicated outputs (0.8 mA) or optional assignment to decoders
- Simultaneous solenoid operation: up to 30 (20 per output module)
- Sensor inputs: three Clik, one Solar Sync, and six flow sensor

**Approvals**

- CE, UL, cUL, RCM, FCC
- Enclosure ratings:
  - Steel: IP55
  - Plastic wall mount: IP55
  - Plastic pedestal: IP24

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**EPA WaterSense Approved**

Add the WaterSense-labeled Solar Sync sensor to improve the water efficiency of this controller.
**METAL WALL MOUNT**

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**PLASTIC WALL MOUNT**

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**METAL PEDESTAL**

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**PLASTIC PEDESTAL**

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<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tr>
<td>A2C-75D-M</td>
<td>75-station Gray steel wall mount, outdoor</td>
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<tr>
<td>A2C-75D-SS</td>
<td>75-station stainless steel wall mount, outdoor</td>
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<th>Model</th>
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<td>A2C-75D-P</td>
<td>75-station plastic wall mount, outdoor</td>
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<tr>
<th>Model</th>
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<tr>
<td>ACC-PED</td>
<td>Gray metal pedestal, for use with ACC2</td>
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<tbody>
<tr>
<td>PED-SS</td>
<td>Stainless steel pedestal, for use with ACC2</td>
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Each A2C-D75 output module is colour-coded for easy installation, and includes standard automotive fuses for additional surge protection.

ACC2 Decoder is designed for operation with the field-proven, ultra-reliable ICD decoder family.

The ICD-HP permits a full range of programming, diagnostic, and operational features, without removal of waterproof connectors.

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<tr>
<td>A2C-D75</td>
<td>75-station decoder expansion module</td>
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<th>Model</th>
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<tr>
<td>A2C-F3</td>
<td>3-input flow meter expansion module</td>
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**EXPANSION MODULES**

**ICD DECODERS**

- 1-, 2-, 4-, or 6-station decoders, and 2-input sensor decoders with surge suppression and ground wire

**ICD-HP**

- Wireless handheld decoder programmer
The ACC2 offers a suite of flow management features for up to six separate flow zones, including flow scheduling and real-time flow monitoring for the ultimate in system protection. Water source monitoring allows a new and separate level of security above the flow zone level, including mainline protection and monthly budgeting.

- Includes three flow inputs and three P/MV outputs, both expandable to six
- Full normally open and normally closed P/MV support
- Flow scheduling in up to six flow zones (automatically operates stations to user programmable flow target)
- Real-time flow monitoring of up to six flow zones
- Max flow and unscheduled flow alarms and allowances for manual watering
- Flow budgeting for monthly usage limits
- MainSafe™ master water source programming to protect long mainline runs
- Expanded range of compatible flow sensors

One MainSafe sensor and normally open master valve monitors the entire water source, including total monthly usage.

Three separate Flow Zones each schedule stations on to safe, optimum target flow rates for the specific diameter of mainline pipe.

One manual irrigation line provides always-on irrigation on demand, but is still monitored by the upstream MainSafe master.
Keep track of irrigation on the go! Add web-based central and mobile control to ACC2 controllers with simple plug-in communication modules.

- Clean, simple web application with screens that fit any smart device (monitor, phone, tablet)
- Instant map-based overviews of all controller statuses
- Browser-based remote control for all ACC2 functions
- Remote adjustment, system on/off commands, or timed shutdowns
- Solar Sync sensor integration for automatic, climate-adjusted water savings
- Proactive forecast adjustments for additional water savings
- View real-time flow by sensor, and flow total reporting by day, week, month, or year
- Text notifications of controller alarms to your phone
- Crewmember sharing and management

Learn more.
Visit centralus.hunterindustries.com

**ACC2 COMMUNICATION OPTIONS**

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<th>Option</th>
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<tr>
<td>A2C-WIFI</td>
<td>Wi-Fi communication module for 2.4 GHz wireless connections</td>
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<tr>
<td>A2C-LAN</td>
<td>Ethernet (LAN) communication module for direct RJ-45 network connections</td>
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<tr>
<td>A2C-LEDKT</td>
<td>External status indication light kit</td>
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<tr>
<td>A2C-LTE</td>
<td>ACC2 cellular connection module, North America</td>
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*(monthly data plan required)*
Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family of customers for years to come.

Gregory R. Hunter, CEO of Hunter Industries

Gene Smith, President, Landscape Irrigation and Outdoor Lighting