

# ACC2 DECODER

Next-Generation Commercial Controller

**Hunter®**



Powerful.  
Intelligent.  
Flexible.  
Connected.



# ACC2 Decoder

*Powerful. Intelligent. Flexible. Connected.*

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 amount of time — up to 30 simultaneous solenoids (20 per output module).

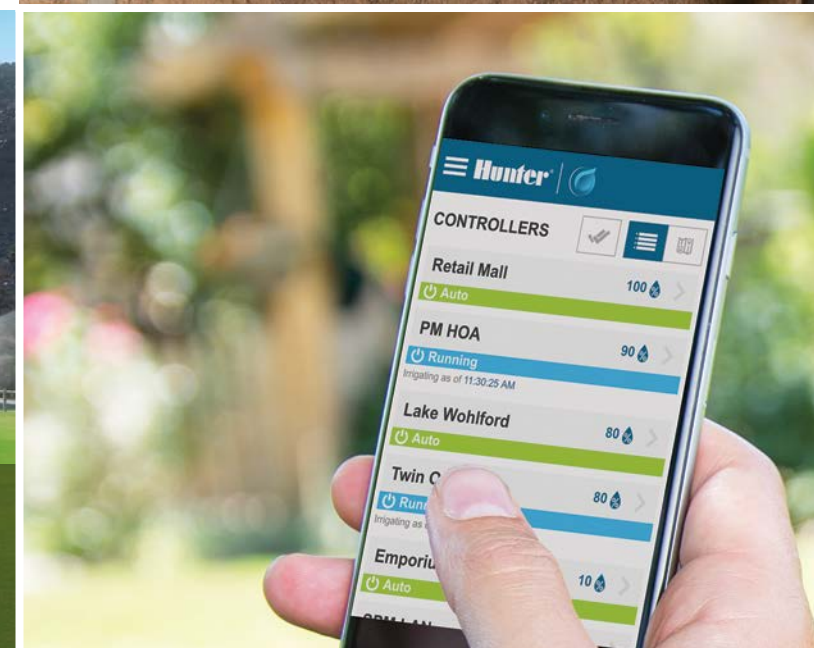
The all-new design features a full-colour, backlit LCD display in a reversible facepack that operates all functions in either position, making field service a breeze. Finally, advanced features such as Flow Monitoring deliver fast diagnostics of abnormal flow conditions and accurate histories for up 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-colour, easy-to-read backlit display. The facepack is fully operational in either position, allowing programming and diagnostics while facing the modules and wiring.



The ACC2 Decoder controller uses two-wire decoder technology to control hundreds of stations, either standalone or via web-based controls.





# ACC2 Specifications

Robust functionality allows for maximum design flexibility and easy installation.

## Features and Benefits

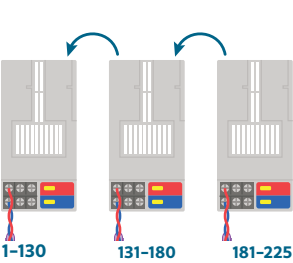
- Number of stations: 75 to 225
- Type: Modular Decoder
- Enclosure: outdoor metal, stainless steel, plastic wall mount, and plastic pedestal
- Full-colour, high-resolution backlit display (reversible)
- Independent programs: 32
- Start times per program: 10
- Station run times: 15 seconds to 12 hours
- 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

## 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 Klik, one Solar Sync, and six flow sensor

## Advanced Features

- Operates all Hunter ICD decoders
- Three two-wire paths per output module
  - Up to 3 km on 2 mm<sup>2</sup> wire
  - Up to 4.5 km on 3.3 mm<sup>2</sup> wire
- 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



Each A2C-D75 decoder output module enables 75 stations, and allows up to three two-wire paths to the field. You can easily connect more than 75 stations to a single wire path, by assigning stations from one module to another.

## Approvals

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



**Smart WaterMark**  
Recognised as a responsible water-saving tool when used with a Solar Sync sensor



METAL WALL MOUNT		PLASTIC WALL MOUNT		METAL PEDESTAL		PLASTIC PEDESTAL	
Height	40 cm	Height	43 cm	Height	94 cm	Height	100 cm
Width	40 cm	Width	43 cm	Width	39 cm	Width	60 cm
Depth	18 cm	Depth	18 cm	Depth	13 cm	Depth	43 cm
Model	Description	Model	Description	Model	Description	Model	Description
A2C-75D-M	75-station Grey steel wall mount, outdoor	A2C-75D-P	75-station plastic wall mount, outdoor	ACC-PED	Grey metal pedestal, for use with ACC2	A2C-75D-PP	75-station plastic pedestal
A2C-75D-SS	75-station stainless steel wall mount, outdoor			PED-SS	Stainless steel pedestal, for use with ACC2		

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.



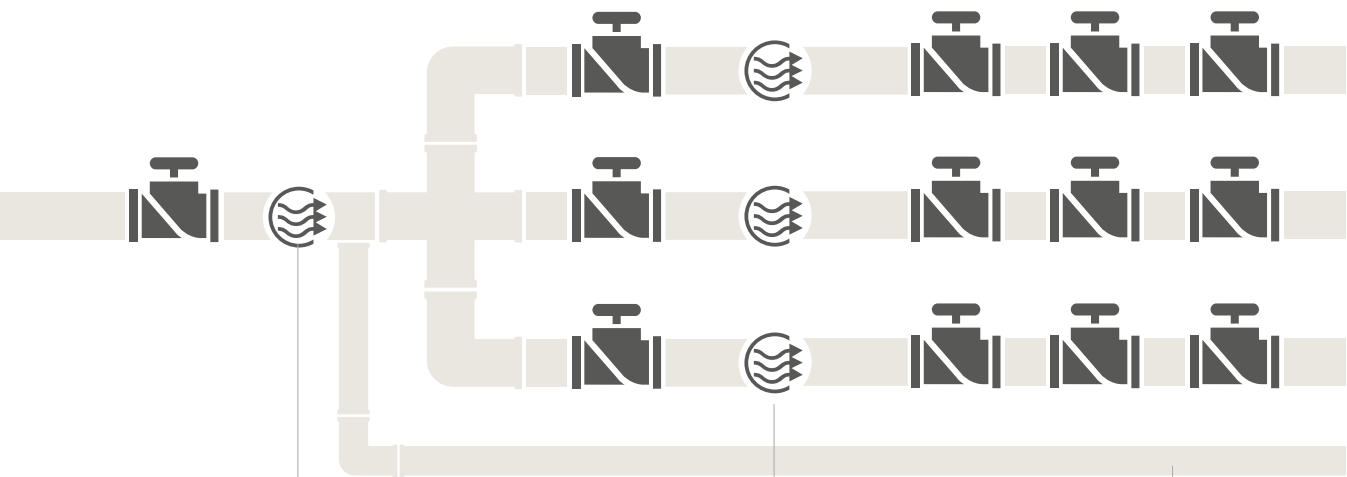
EXPANSION MODULES		ICD DECODERS		ACCESSORIES	
Model	Description	Model	Description	Model	Description
A2C-D75	75-station decoder expansion module	ICD-100	Single-station ICD Decoder	ICD-HP	Wireless handheld decoder programmer
A2C-F3	3-input flow meter expansion module	ICD-200	Two-station ICD Decoder	DECSTAKE10	Universal decoder stakes, (10 per carton), zip ties included
		ICD-400	Four-station ICD Decoder		
		ICD-600	Six-station ICD Decoder		
		ICD-SEN	Two-input ICD Sensor Decoder, for Klik or Flow inputs		

# FLOW Management

Multiple stations. Safe flow targets.

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 schedule stations on to safe, optimal target flow rates for the specific diameter of mainline pipe.

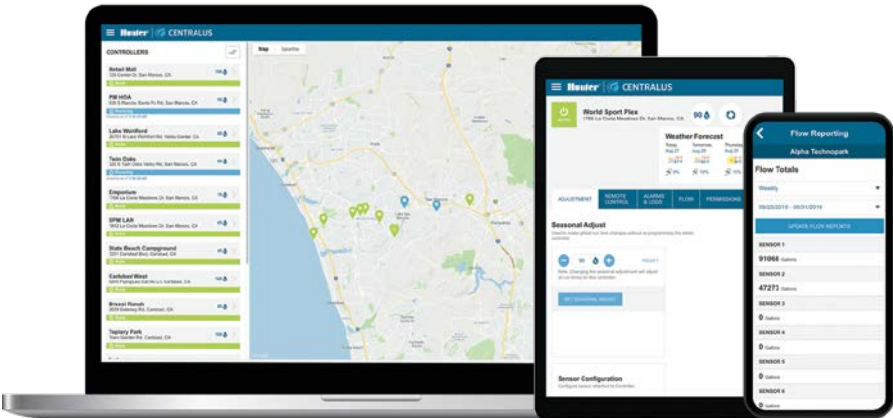
One manual irrigation line provides always-on irrigation on demand, but is still monitored by the upstream MainSafe master.

# CLOUD Management

with the Centralus platform

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](http://centralus.hunterindustries.com)

ACC2 COMMUNICATION OPTIONS	
A2C-WIFI	Wi-Fi communication module for 2.4 GHz wireless connections
A2C-LAN	Ethernet (LAN) communication module for direct RJ-45 network connections
A2C-LEDKT	External status indication light kit
A2C-CELL-E	Cellular communication module for international cell connections

\*(monthly service 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.

A white, stylized signature of Gregory R. Hunter on a dark blue background.

Gregory R. Hunter, CEO of Hunter Industries

A white, stylized signature of Gene Smith on a dark blue background.

Gene Smith, President, Landscape Irrigation and Outdoor Lighting

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