

# Hunter® Irrigation News & Insights



## PGP®: Years of Experience, Constant Improvement Make it the World's Best Rotor



Why settle for second best when you can have the sprinkler by which everything else is measured? With Hunter's 25 years of experience perfecting gear-driven technology, it's no wonder the often-imitated, but never duplicated PGP remains the professional's first choice.

...And being the best is what has kept us there. Because when you add these features to the unparalleled experience of Hunter's engineering and manufacturing technology, it results in the most reliable product in the field, with the industry's lowest rate of callbacks—by far! And all those happy customers translate into the world's best-selling rotor. The biggest "first" of them all. ■

The patented 3-spring reversing mechanism is yet another guarantee that the PGP® keeps working each and every time, as shown here in 13 km of municipal parks in Beijing, China.

The convenience of 19 water-efficient interchangeable nozzles: Plenty of design choice with highly efficient uniformity and performance you can trust.

Being the **FIRST** with features like these have put Hunter a step above the rest:



Fully-adjustable, through-the-top servicing: Fast hassle-free adjustment



The largest dirty water screen: Less maintenance requirements



Proven, long-life, water lubricated, gear-drive mechanism: Ensures you won't have non-rotating sprinklers and unhappy customers



The safety of an integral rubber cover: Protects adjustment mechanism from dirt and debris



Strongest retraction spring: No stick-ups or mower damage!



Wet and dry adjustment: Quick and easy installation

## XC Controller Wins Praise in International Markets

Hunter recently introduced the new XC controller and it has received immediate accolades. The compact and user-friendly controller, designed to meet the needs of today's sophisticated water management technology in residential and light commercial systems, is being endorsed by customers in all corners of the globe.

**Shane Davies** of **Controlled Irrigation Supplies** in **Perth, Western Australia**, installed the XC with 2 valves per station, plus a master valve. "We often need a controller to be capable of doing this," said Davies, "so it's definitely going to be an advantage for Hunter in our market."



Claudio Berti  
Berti Color  
Lavis, Italy

In Europe, the comments are centering on the flexibility afforded to individual station needs. "I like to have the capability to exclude, by choice, the rain sensor for any station," remarked **Claudio Berti** of **Berti Color** in **Lavis, Italy**. While further west on the continent, **Imma Pedemonte** of **Barcelona, Spain** commented that "the ability to program sensor bypass by station is great when there are some fountains, lights, or other installations that run independently of the rain."

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## ACC-99D: The Two-Wire Decoder Version of Hunter's Most Powerful Controller

The versatility of the ACC controller has grown even more powerful with the addition of the all-new, two-wire decoder system from Hunter. ACC-99D uses two-wire decoders to control up to 99 stations without giving up the complete collection of features in the ACC.

The powerful overlapping, stacking array of programs, along with ACC's dual programmable pump/master valve outputs, real-time flow monitoring, and up to four programmable sensor inputs, take full advantage of this controller's high capacity. And, ACC-99D programs just like the rest of your controllers, with simple dial-and-button controls.

Decoder installations are the fastest growing technology in irrigation control. Why? Because decoder systems allow easy system expansion, save copper wire, simplify troubleshooting, allow rapid addition of new stations, minimize trenching, and now, permit remote sensor operation over the two-wire path.

**ACC-99D.** Hunter's most powerful controller, teamed with the most versatile decoders in the industry... an unbeatable combination for large sites with changing needs.

### Multiple Sensor Hookups

Round out your system with the full complement of weather and flow sensing devices to provide automatic system shutoff for any abnormal conditions, and ET-based programming.



*The Hunter Flow-Clik™ automatically shuts down the system if an overflow condition occurs.*

## XC CONTROLLER

Continued from page 1—  
**XC Controller Wins Praise**

South African customers are raving about the new XC, as well. In **Pretoria**, **Uli Pieters of Pieter Irrigation** noted that the lithium battery has eliminated the need for his crews to go back and reset the time after power outages. Uli's company operates in one of the world's highest lightning strike areas and notes that, "Everything is still working great after 3 months of high lightning activity." **Klaas Powels of AJ Plastics in Pretoria, South Africa** echoed those sentiments, crediting the XC with having "a really strong transformer for extra output, and that the XC holds up well to bad electrical spikes."

options of the unit. "True odd/even days for the water restriction areas are a big life saver," said Nimb.

But **Argentina's Rolando Garcia** probably summed up everyone's feelings best when the owner of **RainShow** announced, "This is the controller that we were waiting for!"

With its extra power, extra features, extra flexibility, and extra memory, the XC is bringing extra peace of mind to irrigation customers worldwide. Call your authorized Hunter distributor today and add the XC to your next residential job. ■



*XC Controller at work. Unmatched performance and reliability.*

**Carl J. Stokenstrom of Turf-Ag in Cape Town** indicated that a full 70 percent of his customers use pump starts and that, "The XC has proven to perform with no problems." Across town, **Jordan Nimb of Watermation** is pleased with the independent scheduling

## DID YOU KNOW?



**The Pro-Spray® family now comes in five different pop-up heights.**

Hunter's popular spray head now is available in two new sizes—a 5 cm and a 7.5 cm height. Add that to our 10 cm, 15 cm, and 30 cm and that's five different pop-ups for different landscape applications! ■





### Programmable Decoders with Built-in Surge Protection

No complicated serial numbers or extra lightning devices; each decoder includes a built-in earth ground wire.



### Real-Time Flow Sensing in Standalone Mode

Will measure, monitor and record a systems' flow conditions instantaneously, and respond before resulting damage (to the system or surrounding landscape) can occur

### Non-volatile 100-year Memory

In the event of a power failure or if AC power is suspended from the controller, program data will be retained without the need for a battery



## Using a Voltmeter to Diagnose a Controller



You receive a call from a customer telling you that their controller is not working correctly. So you rearrange your schedule to stop by and check what's wrong. They're not home when you arrive, but you do have access to the controller since it is mounted outside. How can you figure out what the problem is? Grab your trusty voltmeter and follow these steps:

### Check the Power at the Controller

- There are two wires coming out of the transformer that are connected to the controller screw terminals marked AC. These wires should have a voltage of 24VAC-28VAC.



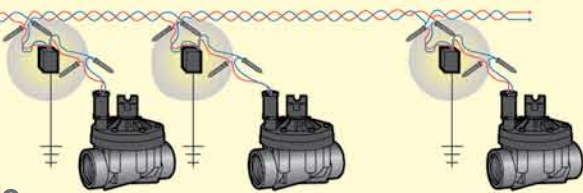
### Test the Station Output to the Field

- With none of the stations active, attach one of the voltmeter leads to the Common screw terminal on the controller.
- Touch ALL the Station screw terminals with the other voltmeter lead. The voltmeter should not read any voltages on any of the station terminal screws.
- Activate Station #1, and then touch ALL the Station screw terminals with the other voltmeter lead again. The voltmeter should only read voltage on the station #1 terminal screw (24VAC-28VAC).
- Activate Station #2, and then touch ALL the Station screw terminals with the other voltmeter lead again. The voltmeter should only read voltage on the station #2 terminal screw (24VAC-28VAC).
- Continue this procedure until all the stations have been tested.



### Two-Wire Decoder Installation

Operate and add large numbers of irrigation solenoids (up to 99 stations) plus possess the ability to have remote sensor decoders



### Programmable Pump/Master Valve Assignments

Run multiple valves, plus pumps and master valves at the same time via either conventional or decoder outputs

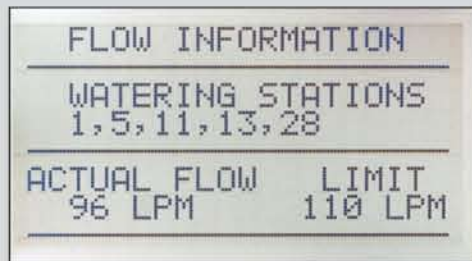
### Diagnostic output LEDs

Easy-to-read, up-to-the-minute station activity and line status at a glance



### Up to 6 Two-Wire Paths of Up to 4.5 km Each

Direct burial wiring that resists surges and electrical noise; the most economical wiring option for even the largest systems



### Large Backlit LCD Display

Provides lots of information and easily steps the user through the programming process; personalize on-screen station, program, and station names for easy identification



### Easy Modular Upgrade to 2-way Communication with Central Control

Simple plug-in modules upgrade ACC to hardwire, modem, or radio control



### How to Know if There is a Problem

- There is a problem with the controller or station module if:
  - Any station doesn't show voltage when it is on.
  - Any station has voltage when it is off.

If no problems are found at the controller, the problem is in the field wiring or valves. ■







## IN THIS ISSUE



The XC Controller  
Wins International Praise



ACC-99D: Hunter's Most  
Powerful Controller



PGP: The Professional's  
First Choice



[www.HunterIndustries.com](http://www.HunterIndustries.com)

# Seven Benefits About Green Spaces Every Consumer Should Know

- 1 Cooling**—Eight average front lawns have the cooling effect of 70 tons of air conditioning. As overwatering is a much bigger problem than underwatering, automatic irrigation systems, where possible, should be considered for the most efficient watering rates.
- 2 Cleaning**—Properly maintained shrubs, plants, and lawns are environmental heroes. Because of their filtering capability, plantings prevent soil erosion, filter contaminants from rainwater, and absorb dust and soot.
- 3 Saving Money**—Planting shade trees lowers attic temperatures by as much as 40 degrees, and landscaping aids in reducing air conditioning costs by up to 50 percent.
- 4 Increasing Home Value**—Not only can a well-maintained landscape add up to 15 percent to a property's value, but landscaping can speed the sale by as much as six weeks when selling a home.
- 5 Reducing Noise**—Landscaping can reduce noise by up to 50 percent.
- 6 Healing**—Horticulture is therapeutic and improves quality of life. Studies illustrate that hospital patients whose rooms overlook landscapes recover faster and require less pain medication than patients without a view of nature.
- 7 Increasing Air Quality**—A tree removes carbon dioxide from the air and releases enough oxygen for a family of four to breathe for a day. ■

Source: Project EverGreen

