

INTERNATIONAL

Hunter®

Headlines
Irrigation News & Insights

XC: Extra Flexibility, Features, and Memory More Than You Expect in a Controller



Sensor control is selectable by station, allowing patios, verandahs, and courtyards to be independent of weather sensors.



Rugged outdoor lockable cabinet.

The new Hunter XC has been designed to meet the needs for today's sophisticated water management technology in residential and light commercial systems. The new controller is compact and user-friendly, while being capable of meeting the irrigation requirements for a wide range of landscapes in the toughest international environments.

Simply put, the XC brings a whole lot extra to a small controller.

Extra power. The XC offers a choice of 2-, 4-, 6-, and 8-station models, each with plenty of might to operate one or two valves per station plus a large pump start relay or master valve, courtesy of a full 1.0 amp transformer.

Extra features. Including true odd/even day watering, and a 365-day calendar and global seasonal adjustment to make water savings easier, plus a sensor bypass switch.

Extra flexibility. With three programs (each with four start times) and multiple scheduling formats. Plus, the ability to select sensor-control by station, so that patios, courtyards, and balconies that are less affected by the weather, can continue to be irrigated while weather sensors turn off the outside zones.

And extra memory. Hunter's standard 100-year non-volatile memory, plus a high-energy lithium battery to keep real-time during power outages, plus an additional Easy Retrieve™ memory that can hold a favorite program for convenient recall, assures that you'll always have the program you want.

The choice for those that demand more from their controller, the XC is where you'll want to turn for the biggest "extra" of all—**extra peace of mind.** ■



Lithium battery included to keep real-time during power outages.

Rugged, Professional Pro-Spray® Now Available in 5 cm, 7.5 cm Sizes

A spray designed with the professional in mind, the Pro-Spray has rapidly become one of Hunter's most popular products. And now, this contractor favorite is available in two additional sizes—5 cm and 7.5 cm pop-up heights.

The new Pro-Spray models include all the same great features as the shrub, 10 cm, 15 cm, and 30 cm versions:

- Heavy-duty ABS construction, including an extra-thick body and cap that won't crack or leak under pressure
- Exclusive body ribs that make it easier to install, adjust, and service
- A user-friendly "pull-up" flush cap that helps keep debris to a minimum
- Heavy-duty spring ensures positive retraction under any conditions
- New co-molded wiper seal eliminates "flow-by" and reduces chance of riser "stick-ups"

- New, superior-engineered fixed-pattern nozzles feature precise edges, optimum droplet size, and improved color-coding I.D. system

The reliable and sturdy Hunter Pro-Spray offers the ideal choice for residential landscapes. Actually, with 2 new sizes, bringing the total number of models to 6, you could really say the Pro-Spray offers the ideal *choices.* ■



Shrub

5 cm

7.5 cm

10 cm

15 cm

30 cm

ACC Controller Brings System Flow Management to Multiple Sites



With the introduction of the new ACC, Hunter Industries has brought the convenience and versatility of modularity to the most advanced controller the company has ever created.

The ACC starts as a 12-station base unit, to which additional plug-in modules (in 6-station increments) provide the ability to build up to 42 stations. Simple plug-in modules can also upgrade the ACC to hardwire, modem, or radio 2-way communication, offering the opportunity to add central control capability.

The new ACC is packed with features, the most notable being real-time flow sensing, which identifies low flow or overflow conditions instantly, before resulting damage (to either the system or surrounding landscape) occurs. The ACC is the first time that a standalone version of a top-level controller has offered real-time flow sensing, bringing this "elite" feature to even small projects with limited budgets.

The ACC also boasts full evapotranspiration (ET) control capabilities. The controller is able to gather data at the site for a precise evaluation of the actual weather conditions.

A total of 6 independent and 4 custom programs, each with separate day cycles and 10 start times, gives the ACC the ability to offer total flexibility for complex landscapes.

In addition, the ACC boasts the unique ability to assist the water manager in conforming to "watering windows."

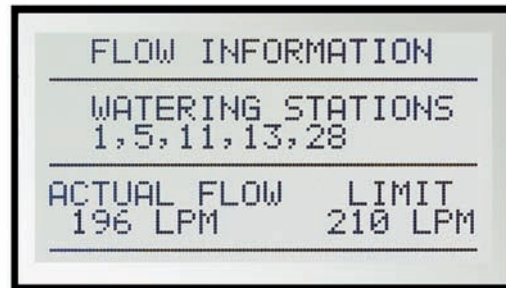
The user can define the hours where no watering is allowed and the watering window manager will override any user-set programs that enter that time frame.

The ACC controller features non-volatile 100-year memory, Cycle and Soak capability by station, and is remote control ready (it's

pre-wired to directly accept the Hunter ICR and it's up to three-kilometer range of communication).

And here's perhaps the most user-friendly feature of all: the ACC's large backlit LCD display gives you a convenient means to personalize on-screen station and program names.

The new ACC. It's Hunter's most powerful controller ever...yet it's so simple to use. ■



The ACC Family



Metal Cabinet



Plastic Pedestal



Metal Pedestal



Hunter's New ACC Controller Wins Exhibitor New Product Contest at 26th Annual International Irrigation Show

Hunter Industries' all-new ACC Controller was selected by a panel of irrigation experts as the most significant new product in the turf/landscape category at the 26th Annual International Irrigation Show in Phoenix.



A championship team deserves championship-caliber turf. On the pitch at Stamford Bridge Stadium (left to right) are Colin Clark, Topturf Irrigation Engineers Ltd.; Jason Griffin, Chelsea FC Head Groundsman; John Shepherd, Hunter Industries Inc.



Hunter Adds New Models to Battery-Operated Controller Line-up



Hunter's two battery-powered controller products are each now available in an additional size. The Smart Valve Controller (SVC) has added the 2-station version **SVC-200**, and the Wireless Valve System (WVC) has added the single-station model **WVC-100**.

The **SVC** mounts to a valve solenoid quickly and easily—without screws, drills or wires—and the unit's solid construction ensures that it can handle the harsh environment of a valve box. How harsh? This rugged product is fully submersible and resists all moisture intrusion in water, mud, and debris as deep as 3.6 meters.

The **SVC** operates off a single 9-volt battery that's guaranteed to provide power through a full season. It's also a breeze to program, with an easy to read and understand LCD display. Up to nine start times are available, offering the flexibility to handle the demands of watering schedules needed for such things as

establishing new turf or irrigating steep slopes with low infiltration rates.

The **SVC** is also available in single-station or 4-station models.

The **WVC** is ideal for traffic medians and roundabouts, rural properties, construction sites, and municipal parks...all areas where most battery-powered controllers leave you guessing as to when the battery is going to run out. With the **WVC**, battery life is assured through a full season, making replacement a simple annual task.

There's no need to reach inside the valve box in order to hook up a field transmitter and download program instructions; the programmer can communicate with the controller inside a valve box from as far as 30 meters away.



The **WVC's** control unit is also fully submersible and waterproof up to 3.6 meters, making it rugged enough to take on whatever water, mud

and debris might be found in a valve box environment. And, with all installed components hidden away safely underground and out of view, the **WVC** can also claim to be truly vandal-resistant.

The **Wireless Valve System**, is also available in a choice of 2- or 4-station models.

For isolated sites, power-restricted areas, and the special needs of drip zones, the battery-operated **SVC** and **WVC** are your solution. Visit your authorized Hunter distributor and add one to your next site that lacks electrical power. ■

Troubleshoot Problems With Hunter Controllers' Built-in Self-Diagnostics

Quick Check™

Quickly identify "shorts" commonly caused by faulty solenoids or when a bare common wire touches a bare station control wire without having to physically check each field wiring circuit for potential problems

- Press the **+**, **-**, **←**, and **→** buttons simultaneously.
- In the standby mode, the LCD will display all segments (helpful when troubleshooting display problems).
- Press the **+** button to begin the Quick Check test procedure.
- Within seconds, the system tests every station in an effort to detect a high current path through the station terminals.
- When a field wiring short is detected, an "ERR" symbol preceded by the station number will momentarily flash on the controller LCD display.



After Quick Check, the controller returns to the automatic watering mode.

Test Program

Perform a system check when there is no remote control installed. Run through each station on an **ICC**, **Pro-C**, and new **XC** for a specific amount of time.

- Press **PRG** button for two seconds. The display will show station 1 with a run time flashing.
- Use the **+** key to enter a value from 1 to 15 minutes.
- The controller will run through all stations consecutively for the amount of time that has been entered.



(The **SRC** also features a test program, which can be found by accessing the "C" program)

Self-Diagnostic Circuit Breaker

When a short circuit is detected, instead of blowing a fuse which would shut down the entire system, the controller will skip over that station and continue to water the rest of the zones on the program. The controller indicates what zone is shorting by showing the station number followed by **ERR** in the LCD display. ■

Premiership Champion Chelsea Football Club Chooses Hunter

The year 2005 proved to be a remarkable one for Chelsea Football Club. To begin with, it kicked off the club's centenary year, worthy of celebration in and of itself. But the biggest reason to cheer was the fact the team won the League Cup and the Premiership for the first time in 50 years.

As the club prepared for the new season and defense of their title, Head Groundsman Jason Griffin had the Stamford Bridge Stadium pitch completely re-constructed, including the installation of a new Hunter irrigation system. The system consists of (14) G95E electric valve-in-head sprinklers located on the perimeter of the playing surface and (6) I-41-36S-ON rotors within the playing surface, all controlled via a Hunter **ICC** controller located within the plant room.

Jason said he is particularly pleased with the I-41s and how they effectively irrigate the centre of the pitch. "The I-41 heads allow for halftime watering," noted Jason. "This was near impossible with the old system, which used over ground hoses and heavy portable sprinklers."

The entire system was installed under the watchful eyes of Colin Clark, Managing Director of Topturf Irrigation Engineering Ltd. Colin confirmed that, in addition to the Stamford Bridge Stadium project, Topturf Irrigation has recently completed installing complete systems on phases 1,2 & 3 of Chelsea's new training and academy facility on the outskirts of London.

"This new facility will eventually have over 30 grassed pitches all irrigated by Hunter products," explained Colin. "The system will be comprised of a mixture of Hunter rotors—including G95E, I-90-36V, and I-41-36S-ON - as well as ICV solenoid control valves."

The new season got underway in August and will continue through May. The defending champions are already off on an impressive start and we wish Chelsea every success. ■





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Pro-Spray® Adds Two New Sizes



Football Champs Field Winning Hunter Line-up

Save Water and Make Your Irrigation More Efficient with the New ET System

Now, you can take the guesswork out and *automatically* adjust each day's irrigation program. The new Hunter ET System is an easy-to-add-on accessory (for any Hunter controller that operates with a SmartPort® system) that measures key climatic conditions, and uses them to calculate your local evapotranspiration (ET) factor. The ET-adjusted program is then downloaded to your controller to create an irrigation program that is just right for your

sprinkler system, plants, soil and daily weather conditions.

By taking into account the rate at which water is consumed by weather conditions, the ET System will initiate a

new schedule to replenish only the water that is actually needed. And our WiltGard™ technology can intervene to *trigger* protective watering when extreme conditions threaten your plants. The result is a dramatic savings in your water usage

and bill (about 30%, on average), as well as healthier root zones.

Each ET System has a simple user interface, so you can select from a menu of common sprinkler, plant, and soil types, or create your own custom factors. The system's sensor array includes solar radiation, relative humidity, temperature, a rain gauge that measures and tracks precipitation, plus an optional anemometer for wind speed.

Hunter's ET System requires no subscription fees, and is not based on any form of broadcast or other distant weather data. Your irrigation schedule is based on *actual* conditions in *your* landscape. There's no easier method for determining the most accurate irrigation needs of your turf and plants. Make your irrigation system as efficient as it can be. Add the Hunter ET System. ■

