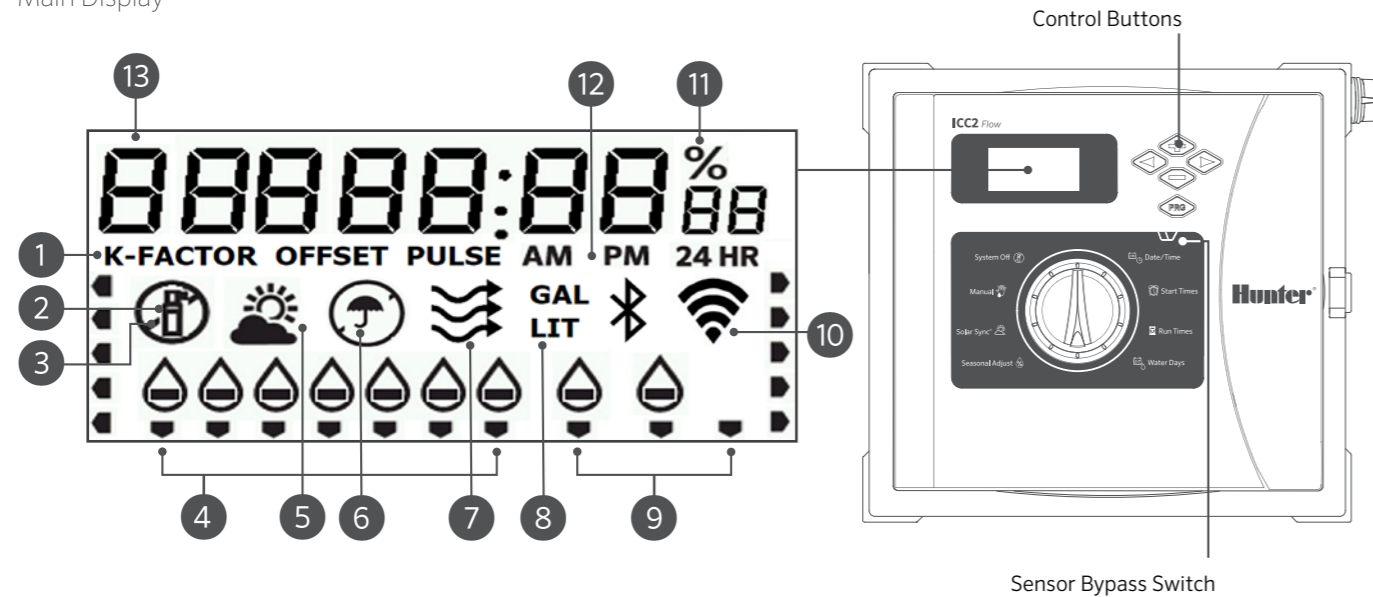


ICC2 CONTROLLER WITH FLOW MONITORING

QUICK START PROGRAMMING GUIDE



Main Display



- ① Flow Sensor Configuration Options
- ② Station Running
- ③ Sprinkler Off Days
- ④ Days of the Week
- ⑤ Solar Sync® Symbol
- ⑥ Rain Sensor Active/Override
- ⑦ Flow Monitoring Symbol

- ⑧ Gallon/Liter Selection Symbol
- ⑨ Odd/Even/Interval Days
- ⑩ Wi-Fi Symbol
- ⑪ Seasonal Adjust %
- ⑫ Time Mode (AM/PM/24 HR)
- ⑬ Program Indicator

Dial must be in RUN position for automatic irrigation!

Setting Current Date and Time

- Turn the dial to the **DATE/TIME** position.
- The year will flash. Use the + and - buttons to select the current year.
- Push the ► button to advance to the month setting. The month will flash. Use the + and - buttons to select the current month.
- Push the ► button to advance to the day setting. The day will flash. Use the + and - buttons to select the current day of the month.
- Push the ► button to advance to the time setting. The time will display. Use the + and - buttons to select AM, PM, or 24 HR to display all times in 24-hour mode.
- Press the ► button to advance to hours. Use the + and - buttons to update the display to show the current hour.
- Press the ► to advance to minutes. Use the + and - buttons to update the display to show the current minutes.

Turn the dial to the **RUN** position. Date and time are now set.

Setting Program Start Times

- Turn the dial to the **START TIMES** position.
- Press the **PRG** button to select A, B, C, or D.
- Use the + and - buttons to change the start time. The start time advances in 15-minute increments.
- Press the ► button to add another start time or the **PRG** button to set a start time for the next program.

NOTE: Controller can run 2 programs at once.

Eliminating a Program Start Time

With the dial set to the **START TIMES** position, push the + and - buttons until you reach 12:00 AM (midnight). From this position, push the - button once to reach the **OFF** position.

Setting Station Run Times

- Turn the dial to the **RUN TIMES** position.
- Use the **PRG** button to select the program (A, B, C, or D).
- Use the + and - buttons to change the station run time on the display. You may set station run times from 1 minute to 12 hours.
- Press the ► button to advance to the next station.
- Repeat for each station.

Total Run Time Calculator

- Turn the dial to the **RUN TIMES** position.
- Press ◀ to view the total time for all stations in program.
- Press **PRG** to view the total times for other programs.

Setting Water Days

- Turn the dial to the **WATER DAYS** position.
- The display will show the last program selected (A, B, C, or D). Switch to another program by pressing the **PRG** button.
- The pointer at the bottom of the screen shows the currently selected day of the week. Press + or - to select days for watering ☀ or no water ☁.

Selecting Odd or Even Days to Water

- Press ► past all days of the week to **ODD** or **EVEN**.
- Press + to select or - to cancel **ODD** or **EVEN**.

Selecting Interval Watering

- Press ► past **ODD** and **EVEN** to **INT**.
- Press + or - to set interval days.
- Press + or - to set the number of days to the next watering.

Pump (P/MV)

- Press ► to select stations.
- Press + or - to set **P/MV** output **ON** or **OFF** for station. (P/MV is normally on for all stations).

Seasonal Adjust

- Changes all run times by a percentage for local conditions.
- Press + or - to change from 5% to 300% of original run times.

Solar Sync

- Sets up and adjusts optional Hunter Solar Sync Sensor.
- Press + or - to select Region, 1-4 (see Solar Sync manual).
 - Press + or - to increase or decrease watering (see Solar Sync manual).

Manual Station

- Turn the dial to the **MANUAL** position.
- Press ► to select the station. Use + or - to set the manual run time.
- Turn the dial to the **RUN** position to begin immediately.

Manual Program

- Turn the dial to the **RUN** position.
- Press and hold the ► button for 3 seconds.
- Press **PRG** to select the program.
- Release the button for 2 seconds. The program will begin.
- Press ► to advance to another station within the program.

System Off

Turn the dial to the **SYSTEM OFF** position. No watering will occur in this dial position.

Programmable Rain Off

- Turn the dial to the **SYSTEM OFF** position, and wait for Off to stop blinking.
- Press + or - to set the number of days to remain off.
- Turn the dial back to the **RUN** position. The display will show days off remaining, and watering will resume when Off days reach 0. To cancel Rain Off, turn the dial to OFF, wait until OFF stops blinking, then turn the dial back to **RUN**.

Test

Initiates a test run on all stations.

- Press and hold **PRG** for 3 seconds.
- Station 1 will appear. Press + or - to enter the run time.
- Wait 2 seconds. Each station will run for the allotted run time.

Quick Check

Checks all stations for wiring short circuits.

- Press +, -, ◀, ► at the same time. The entire display will illuminate.
- Press + to begin the check. Error code # **ERR** will display if faulty stations are found.

Sensor Bypass

Overrides sensor shutdown to allow watering.

- Move the Sensor **BYPASS** switch to the **BYPASS** position.
- Return the switch to **ACTIVE** to allow sensor shutdown.

Flow Setup Menu

Enable flow monitoring and configure flow sensor settings.

- Hold + and turn the dial to the **PUMP** position to access the flow setup menu.
- Use the + and - buttons to enable/disable flow monitoring and select flow sensor units of measure (gallons or liters).
- Press the ► button to configure flow sensor settings (K-Factor or Pulse).

Flow Monitor Menu

Set alarm thresholds and flow learning process.

- Hold - and turn the dial to the **PUMP** position to access the flow monitor menu.
- Use the + and - buttons to set station-level high-flow shutdown %.
- Press the ► button and use the + and - buttons to set station-level low-flow shutdown %.
- Press the ► button and use the + and - buttons to set total overflow shutdown flow rate.
- Press the ► button and use the + and - buttons to set alarm delay factor.
- Press the ► button to view nominal station flow rates.
- Press the **PRG** button to initiate flow learning by station.

HIDDEN AND ADVANCED FEATURES

Feature	Where Found	Description
PROGRAMMABLE SENSOR OVERRIDE	Hold - and turn to Start Times.	Sets individual stations to ignore sensor shutdowns. Select stations with ◀ or ▶ , and use + or - to change to OFF to ignore sensor.
CYCLE AND SOAK	Hold + and turn to Run Times. Enter Cycle, press PRG to set Soak.	Sets a maximum run time and minimum wait time before starting another cycle. Divides run time into segments to prevent runoff.
DELAY BETWEEN STATIONS	Hold - and turn to Run Times.	Inserts a delay (seconds or minutes) between stations in a run time for slow valves or recharging tanks.
HIDE PROGRAMS	Hold - and turn to Water Days.	Use +/- to change from 4 to 1 to hide extra programs. 1 will show only program A, start time 1, and 4 will show all programs and start times.
SOLAR SYNC DELAY	Hold + and turn to Solar Sync.	Sets number of days before Solar Sync begins adjusting run times. Allows landscape establishment for a set period of days before Solar Sync begins adjusting automatically.
CLIK DELAY	Hold + and turn to Off.	Sets number of days for watering to remain off after sensor has been activated and restored.
TOTAL RUN TIME	Turn to Run Times. Press ◀ when station 1 is shown, PRG to select other programs.	Calculates and displays total of all run times in a program start time.
TEST PROGRAM	Hold PRG for 3 seconds.	Runs all stations in controller for the time entered for test or diagnostic purposes.
EASY RETRIEVE® MEMORY	Hold + and PRG to Save. Hold - and PRG to Restore.	Saves all program information to restore at a later time.
TOTAL RESET	Press PRG and RESET buttons.	Erases all watering information.
QUICKCHECK™	Press + , - , ◀ , ▶ simultaneously, then + .	Checks all stations for wiring problems.
RUN PROGRAM	Hold ▶ , PRG to select.	Runs all stations in selected program; use ▶ to advance to next station manually.

TROUBLESHOOTING GUIDE

Display	Possible Cause	Solutions
DISPLAY SHOWS "ERR" WITH NUMBER	Short in field wiring or bad solenoid.	Check field wiring and valve solenoid. Press any button to clear ERR message.
DISPLAY SHOWS "P ERR"	Short in Pump/Master Valve wiring or solenoid.	Check wiring and solenoid at P/MV . Check specifications for Pump Start Relay.
DISPLAY SHOWS "SP ERR"	SmartPort® Wiring Harness error. Electrical noise is present near connection to remote or other SmartPort device.	Move connections away from sources of electrical noise.
DISPLAY SHOWS "NO SS" ERR	A Solar Sync sensor is no longer detected.	This message can appear if the Solar Sync was removed or there is a wiring issue. If the sensor was removed, press the reset button on the back of the panel to clear.
DISPLAY SHOWS "NO AC"	There is no AC power to the controller.	Check fuse/breaker and incoming power supply to controller.
DISPLAY SHOWS WATERING BUT NO WATER IS OCCURRING	Problem with field wiring or solenoids. No water pressure to system.	Check field wiring (voltmeter). Check valve solenoid(s). Verify water source is open.
FROZEN OR GARBLED DISPLAY	Power surge	Reset controller.
RAIN SENSOR DOES NOT STOP IRRIGATION	Jumper wire is not removed. Sensor switch in BYPASS position.	Remove jumper wire on SEN terminals. Set sensor switch to Active position.
CONTROLLER SEEMS TO WATER CONTINUOUSLY	Too many start times.	One start time operates all stations in a program. Remove unnecessary start times.

