

IC-IN

IC-IN Integrated Control Sensor Input Device

The Rain Bird® IC-IN Integrated Control Sensor Input Device (IC-IN) is an interface device for the Rain Bird® IC System™ that receives readings from sensor devices with output types of: 0-10VDC voltage, 4-20mA DC Current, contact closure, or pulse output (counting, rate). The IC-IN translates sensor readings into the IC System protocol and communicates the sensor readings to the Central Control computer on a MAXI® wire path; further enhancing the industry leading capability of the Rain Bird IC System.

Features and Benefits

Diverse Applications

Integrated with Rain Bird's innovative Central Control software IC-IN can be used to view and respond to Smart Sensors™, flow (Flo-Watch™), rain (Rain Watch™), pressure, temperature, wind speed, reservoir levels and more.

Simple and Elegant Design

IC-IN can be connected to any IC System MAXI® wire path (wire path can be shared with multiple ICM, IC-OUT or IC-IN devices).

- Each IC-IN is equivalent to 15 ICMs towards the maximum 750 ICMs per MAXI® wire path.
- Each IC-IN is equivalent to 1 ICM for determining placement of ICSD surge protection devices.
- 20KV Surge Protection

Design Flexibility

When connected to an ICI interface, IC-IN can be used in a hybrid design configuration with Satellite field controllers and/or decoders.

Diagnostics

In all sensor configurations, IC-IN status can be polled from the central software to confirm communication.

Specifications

Operating Range

- Operating Temperature: 14°F to 125°F (-10°C to 51°C)
- Storage Temperature: -40°F to 150°F (-40°C to 65.5°C)
- Operating Humidity: 75% max at 40°F to 108°F (4.4°C to 42.2°C)

IC System™ Field Wiring Voltage

- 26-28 VAC (max)

Dimensions

- 3.71" x 2.70" x 1.66" (94mm x 69mm x 42mm), excluding wires
- Wire Length: 24" (61 cm)



Sensor Types Supported

- Voltage: 0-10VDC
- Current: 4-20mA DC
- Contact Closure
 - Pulse Counting: 50% duty cycle 1kHz (max)
 - Pulses in 10 Seconds: 50% duty cycle 1kHz (max)
 - Pulses per Second: 50% duty cycle 1kHz (max)

Wiring Connections

- Red: MAXI® wire Red
- Black: MAXI® wire Black
- Red/White: Sensor (+)
- Black/White: Sensor (-)

How To Specify:

Model No. IC-IN

IC-OUT

Integrated Control Output Device

The Rain Bird® IC-OUT Integrated Control Output Device (IC-OUT) is an output device for the Rain Bird IC System that enables activation of external equipment. The IC-OUT provides a pulse output similar to the ICM which can be used to activate DC latching solenoids or a DC Latching Relay for activation of high power devices. IC-OUT employs two-way communication using the IC system protocol on a MAXI® wire path to receive commands from the Rain Bird central control computer to turn on/off external devices; further enhancing the industry leading capability of the Rain Bird IC System.

Features and Benefits

Diverse Applications

Integrated with Rain Bird's innovative central control software, IC-OUT can be used to control external devices including pumps, fans, gates, fountains, lights, motorized valves, DC latching solenoids and more.

Simple and Elegant Design

IC-OUT can be connected to any IC System MAXI® wire path (wire path can be shared with ICM, IC-IN or other IC-OUT devices).

- Each IC-OUT is equivalent to 1 ICM towards maximum 750 ICMs per MAXI® wire path.
- Each IC-OUT is equivalent to 1 ICM for determining placement of ICSD surge protection devices.
- 20KV Surge protection

Design Flexibility

When connected to an ICI interface, IC-OUT can be used in a hybrid design configuration with Satellite field controllers and/or decoders.

Diagnostics

IC-OUT supports the familiar status, voltage, on/off, and quick check diagnostics from the central software.

How To Specify:

Model No. IC-OUT



Specifications

Operating Range

- Operating Temperature: 14°F to 125°F (-10°C to 51°C)
- Storage Temperature: -40°F to 150°F (-40°C to 65.5°C)
- Operating Humidity: 75% max at 40°F to 108°F (4.4°C to 42.2°C)

IC System™ Field Wiring Voltage

- 26-28 VAC (max)

Wiring Connections

- Red: MAXI® wire Red
- Black: MAXI® wire Black
- Red/White: Output (+)
- Black/White: Output (-)

Dimensions

- 3.71" x 2.70" x 1.66" (94mm x 69mm x 42mm), excluding wires
- Wire Length: 24" (61 cm)

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The Intelligent Use of Water™
www.rainbird.com