

# SYST0101CW

The Ion™ System Control is the ultimate control center for all of your system components. When you add an Ion™ System Control to a compatible variable-speed furnace, fan coil, split system, or Ion™ System compatible geothermal product (when available), you will enjoy longer heating and cooling cycles at lower fan speeds for a more consistent temperature throughout your home. By adding a multi-staged, or 2-stage outdoor unit, you will enjoy extra benefits which include better humidity and temperature control, as well as a more energy-efficient comfort system. When paired with Ion™ Zoning, the Ion™ System Control allows you to create up to eight zones of customized comfort. The Ion™ Zoning system does not require a bypass damper, leaving air temperature (LAT) sensor, or field-installed power transformer.

Description	Model Number	Note
Ion™ System Control (Wi-Fi®)	SYST0101CW	

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## SYST0101CW ION™ SYSTEM CONTROL

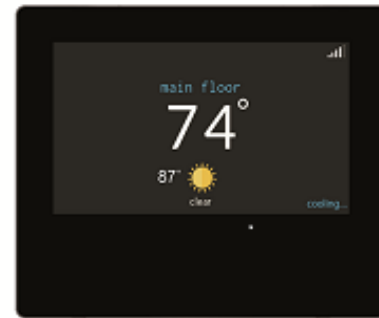
**NOTE: The Ion™ Zoning System IS NOT compatible with all ICP communicating indoor equipment. For example, (F,G)9MV and (F,G)8MV two-stage, communicating gas furnaces are NOT compatible with the Ion™ Zoning System. See the Ion™ System Control product data for more information.**

**NOTE: Only use modulating dampers provided by ICP for use with the Ion™ Zoning System. Dampers provided by other companies are NOT compatible with the Ion™ Zoning System.**

**NOTE: Observer® System accessories, except for certain dampers (see damper list), are NOT compatible with the Ion Zoning System.**

**Use the Observer® Zoning System, or equivalent, for non-compatible indoor units, such as non-communicating indoor units, or the (F,G)9MV and (F,G)8MV gas furnaces. The Observer® Zoning System may also be used in retrofit applications where it is impractical to change existing zone dampers.**

- 2-wire connection to Ion™ System two or more -stage outdoor equipment
  - 4-wire installation from each major component in the system
  - Advanced humidity control settings are the default; no longer requiring increased system setup
  - Complete integration of the temperature, humidity, and ventilation (when available) in every season
  - Auto mode selection to satisfy simultaneous heating and cooling demands via more aggressive Auto Changeover algorithm – installer must enable
  - 7-day programmability with Lifestyle Comfort Profiles and activity features; complies with California Title 24 programmability requirements
  - Upload photo, dealer info, and software updates locally via MicroSD card. Software updates available automatically when connected to the icpusa.com web server
  - Compatible with Ion™ System geothermal products (when available). Energy Tracking feature for geothermal systems is available with Entering Water Temperature sensor installed in heat pump.
  - Compatible with home automation systems via Amazon™ Alexa™ control
  - Day-at-a-glance programming for simplified ease of use
  - Ion™ Zoning System compatibility
  - Dirty Filter Detection
  - Programmable fan by period
  - Wi-Fi® remote access capability
- LIMITED WARRANTY\***
- 10 year parts, for the control, to original purchaser upon timely registration, otherwise 5 years
  - 2 year parts for the wireless access point to original purchaser only



Specifications subject to change without notice.

# SYST0101CW ACCESSORIES

## CONTROLS

DESCRIPTION	PART NO.
Ion™ Communicating Relay Module (CRM)	SYST0101RM*

\* Required for dual fuel applications with non-communicating heat pumps, and for use with 2-stage, non communicating AC or HP.

## ZONING CONTROLS

DESCRIPTION	PART NO.
Ion™ Zoning System Damper Control Module (4 Zone)	SYST0101ZP†

NOTE: Each piece of the zoning equipment is purchased separately allowing for customization of the zoning application.

† One Damper Control Module for up to 4 zones. A second Damper Control Module is required for zones 5-8.

## OPTIONAL ACCESSORIES

DESCRIPTION	PART NO.
Ion™ Remote Room Sensor - Wired (RRS)	SYSTXIIRRS01*
Decorative Trim Plate - White (6 pack)	SYSTXNNWTP06†
Decorative Trim Plate - Black (6 pack)	SYSTXNNBTP06†
Decorative Trim Plate - Silver (6 pack)	SYSTXNNSTP06†
Equipment Communication Connector (DX+, DX-, C, R Plug; 10 pack)	SYSTXGXRPLG10
Outdoor Air Temperature Sensor	TSTATXXSEN01-B
Wireless Access Point (WAP)	SYSTXXXGWR01

\* Not required for Zone 1, but may be used to remote sense indoor room temperature.

† Backplate dimensions: 6.83 in. (173.5mm) wide x 5.97 in. (151.7mm) high

## ZONING ACCESSORIES & REPLACEMENT PARTS

DESCRIPTION	PART NO.
Duct temperature sensor	ZONEXX0DTS01
45° Actuator for round dampers	ZDAMPACT45DEG-R
90° Actuator for rectangular dampers	ZDAMPACT90DEG-R
Damper Control Module 1-amp Fuse	ATO1*

\*Ordered from and warehoused by RC/Fast Parts

## ROUND & RECTANGULAR DAMPERS

DESCRIPTION	PART NO.	
Round Dampers	6 in.	ZDAMPRND06INCB
	8 in.	ZDAMPRND08INCB
	10 in.	ZDAMPRND10INCB
	12 in.	ZDAMPRND12INCB
	14 in.	ZDAMPRND14INCB
	16 in.	ZDAMPRND16INCB
Rectangular Dampers	8 in. X 10 in.	ZDAMPREC08X10B
	8 in. X 14 in.	ZDAMPREC08X14B
	8 in. X 18 in.	ZDAMPREC08X18B
	8 in. X 24 in.	ZDAMPREC08X24B
	10 in. X 10 in.	ZDAMPREC10X10B
	10 in. X 14 in.	ZDAMPREC10X14B
	10 in. X 18 in.	ZDAMPREC10X18B
10 in. X 24 in.	ZDAMPREC10X24B	

**SLIP-IN DAMPERS**

DESCRIPTION	PART NO.
Side mount, 8 X 8	DAMP SLS08X08-B
Bottom mount, 8 X 8	DAMP SLB08X08-B
Side mount, 8 X 10	DAMP SLS08X10-B
Bottom mount, 8 X 10	DAMP SLB08X10-B
Side mount, 8 X 12	DAMP SLS08X12-B
Bottom mount, 8 X 12	DAMP SLB08X12-B
Side mount, 8 X 14	DAMP SLS08X14-B
Bottom mount, 8 X 14	DAMP SLB08X14-B
Side mount, 8 X 16	DAMP SLS08X16-B
Bottom mount, 8 X 16	DAMP SLB08X16-B
Side mount, 8 X 18	DAMP SLS08x18-B
Bottom mount, 8 X 18	DAMP SLB08X18-B
Side mount, 8 X 20	DAMP SLS08X20-B
Bottom mount, 8 X 20	DAMP SLB08X20-B
Side mount, 8 X 22	DAMP SLS08X22-B
Bottom mount, 8 X 22	DAMP SLB08X22-B
Side mount, 8 X 24	DAMP SLS08X24-B
Bottom mount, 8 X 24	DAMP SLB08X24-B
Side mount, 10 X 10	DAMP SLS10X10-B
Bottom mount, 10 X 10	DAMP SLB10X10-B
Side mount, 10 X 12	DAMP SLS10X12-B
Bottom mount, 10 X 12	DAMP SLB10X12-B
Side mount, 10 X 14	DAMP SLS10X14-B
Bottom mount, 10 X 14	DAMP SLB10X14-B
Side mount, 10 X 16	DAMP SLS10X16-B
Bottom mount, 10 X 16	DAMP SLB10X16-B
Side mount, 10 X 18	DAMP SLS10X18-B
Bottom mount, 10 X18	DAMP SLB10X18-B
Side mount, 10 X 20	DAMP SLS10X20-B
Bottom mount, 10 X 20	DAMP SLB10X20-B
Side mount, 10 X 22	DAMP SLS10X22-B
Bottom mount, 10 X 22	DAMP SLB10X22-B
Side mount, 10 X 24	DAMP SLS10X24-B
Bottom mount, 10 X 24	DAMP SLB10X24-B
Side mount, 12 X 12	DAMP SLS12X12-B
Bottom mount, 12 X 12	DAMP SLB12X12-B
Side mount, 12 X 14	DAMP SLS12X14-B
Bottom mount, 12 X 14	DAMP SLB12X14-B
Side mount, 12 X 16	DAMP SLS12X16-B
Bottom mount, 12 X 16	DAMP SLB12X16-B
Side mount, 12 X 18	DAMP SLS12X18-B
Bottom mount, 12 X 18	DAMP SLB12X18-B
Side mount, 12 X 20	DAMP SLS12X20-B
Bottom mount, 12 X 20	DAMP SLB12X20-B
Side mount, 14 X 14	DAMP SLS14X14-B
Bottom mount, 14 X 14	DAMP SLB14X14-B
Side mount, 14 X 16	DAMP SLS14X16-B
Bottom mount, 14 X 16	DAMP SLB14X16-B
Side mount, 14 X 20	DAMP SLS14X20-B
Bottom mount, 14 X 20	DAMP SLB14X20-B
Side mount, 16 X 16	DAMP SLS16X16-B
Bottom mount, 16 X 16	DAMP SLB16X16-B
Bottom mount, 16 X 20	DAMP SLB16X20-B

Slip-In Dampers