

DESCRIPTION

ECOJAY SMARTZONE RESIDENTIAL & LIGHT COMMERCIAL ZONING CONTROLLERS ARE EASILY CONFIGURABLE TO SATISFY A WIDE RANGE OF APPLICATION AND EQUIPMENT REQUIREMENTS. SIMPLE INSTALLATION AND SETUP MAKE SMARTZONE PERFECT FOR CHANGE-OUT, RETRO-FIT, NEW-INSTALL AND UPGRADES. INDUSTRY LEADING BRIGHTLY-LIT DIGITAL DISPLAY PROVIDES COMPREHENSIVE SYSTEM STATUS INFORMATION AND UNIQUE COLOR-CODED LED'S ON ALL WIRING CONNECTORS SIMPLIFY TROUBLESHOOTING. SMARTZONE MAXIMIZES EQUIPMENT EFFICIENCY & PROTECTION WITH BUILT-IN 'TIME & TEMPERATURE' STAGING CONTROLS. UNIVERSAL COMPATIBILITY, TIME SAVING AND EXCLUSIVE VALUE-ADDED FEATURES MAKE SMARTZONE THE SMART CHOICE.

DIGITAL DISPLAY

THE LIGHTED SIMPLE DISPLAY CAN BE EASILY READ IN ANY CONDITION INCLUDING TOTAL DARKNESS. SHOWS SUPPLY TEMP, PURGE MODE, DELAY TIME, ECO, STAT TYPE, TEMP SETTINGS & FRESH AIR

USE ANY THERMOSTAT

HEAT PUMP OR GAS / ELECTRIC ONLY SINGLE STAGE STATS NEEDED ZONE 1 CONTROLS EMER. HEAT FOR HEAT PUMP
SPECS: MECHANICAL, BATTERY OPERATED, OR 24VAC W/ COMMON (5-WIRE)
NOTE: STAGING WITH ZONE 1 STAT ONLY

COLOR CODED INPUTS

LIGHT UP TO INDICATE CALLS FROM THERMOSTATS SO A VOLTMETER IS NOT NEEDED

ECONOMY MODE

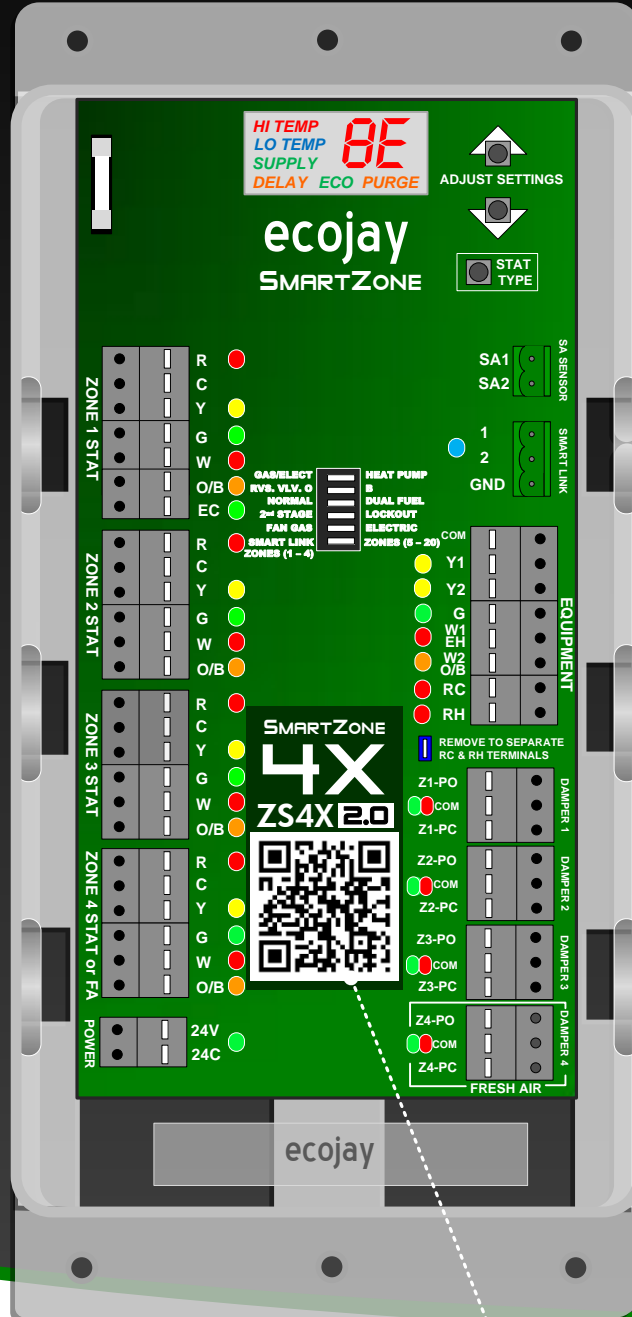
EXCLUSIVE COMFORT AND EFFICIENCY CONTROL

NEW FEATURE: ECONOMIZER

USING AN OUTDOOR SENSOR ACCESSORY, SUBSTITUTE FRESH AIR FOR COOLING USING ZONE 4 SEE MORE IN ADVANCED FEATURES GUIDE

FRESH AIR CONTROL

BUILT-IN FRESH AIR DAMPER CONTROL AND ENHANCED AIR CYCLER OPERATION (4X ONLY)



PUSHBUTTON SETUP

USE SIMPLE BUTTON PUSH TO CONFIGURE TEMPERATURE SETTINGS, STAGING PARAMETERS, THERMOSTAT TYPE & FRESH AIR TIME

SUPPLY TEMP SENSOR INCLUDED

FOR EQUIPMENT PROTECTION AND STAGING USING TIME & SUPPLY AIR TEMPERATURE



EXPAND TO 20 ZONES

TURN TWO SMARTZONE-4X CONTROLLERS INTO AN 8-ZONE SYSTEM, THREE INTO A 12-ZONE ETC, UP TO 20 ZONES USING SMARTLINK

CONTROL ANY EQUIPMENT

HEAT PUMP OR GAS / ELECTRIC INCLUDING DUAL FUEL UP TO 2 STAGE COOL AND 3 STAGE HEAT AUTOMATIC CHANGOVER

COLOR CODED OUTPUTS

LIGHT UP TO INDICATE CALLS TO EQUIPMENT SO A VOLTMETER IS NOT NEEDED

ANY 24VAC DAMPER

2 WIRE POWER CLOSE / SPRING OPEN OR SPRING CLOSE / POWER OPEN & 3 WIRE POWER CLOSE / POWER OPEN
DAMPER POSITION INDICATED BY GREEN (OPEN) AND RED (CLOSE) LEDS
UP TO 40VA 24VAC TOTAL DAMPERS ON EACH ZONE

ZS4X-2.0 SHOWN, ZS2X-2.0 ON BACK
VERSION 8E FIRMWARE - SHOWN ON DISPLAY WHEN BOARD RESET OR POWERED



5 YEAR LIMITED WARRANTY

MADE IN THE USA

ecojoy.com
888-523-3265

MORE INFO:
SCAN WITH
SMARTPHONE



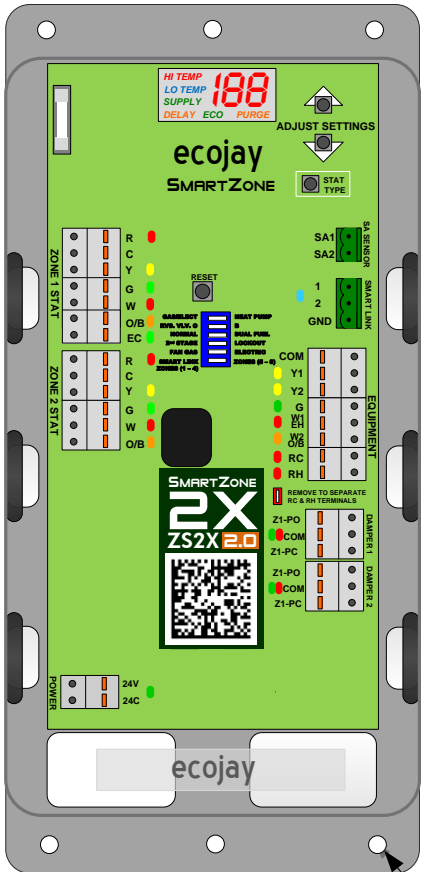
SMARTZONE



SMARTZONE

SPECIFICATION

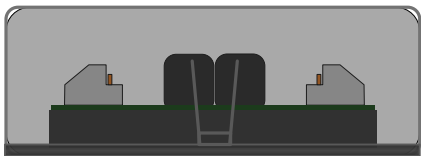
2 ZONE (ZS2X-2.0)



10.5"

5.0"

Ø 1/8"

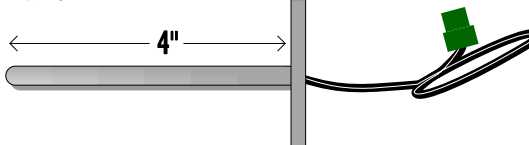
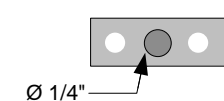


DURABLE ABS PLASTIC ENCLOSURE END VIEW

2"

| POWER | SmartZone-2X SmartZone-4X | 12VA MAX (375 mA @ 24VAC) [2X = 12VA, 8X = 24VA, etc] If multiple transformers are used in 8X system, the primary and secondary polarities must be the same for both transformers and on both ZS4X boards. | | | | | | | |
|--|--|--|--------------|--|--------------|--|--|---|---|
| | SYSTEM | 12VA + Thermostat (3VA) + Damper (3 to 10 VA) = Total Transformer Size | | | | | | | |
| | PROTECTION | Integrated 5X20mm 250mA Fuse – One replacement also included. (Field supplied transformer should also be fused) | | | | | | | |
| OUTPUTS | EQUIPMENT | 10 AMP @ 24VAC Contact Rating RH – 24VAC HOT from Heating Transformer on Equipment (RED LED) RC – 24VAC HOT from Cooling Transformer on Equipment (RED LED) C – 24VAC COMMON from Transformer on Equipment (none) Y1 – 1 st Stage Compressor (YELLOW LED) Y2 – 2 nd Stage Compressor (YELLOW LED) G – Fan (GREEN LED) W1/EH – 1 st Stage Heat OR Emergency Heat (RED LED) W2/OB – 2 nd Stage Heat OR Reversing Valve (RED LED) | | | | | | | |
| | DAMPERS | 10 AMP @ 24VAC Contact Rating (40VA) Power-Close / Spring-Open Dampers (10VA) Power-Open / Spring-Close Dampers (10VA) Power-Open / Power-Close Dampers (3VA) | | | | | | | |
| | SmartLINK (4X ONLY) | COMM – 3 Wire Communications to SmartLINK (BLUE LED) [Use CAT5 wire] | | | | | | | |
| | THERMOSTAT | <u>LABEL – DESCRIPTION (LED COLOR)</u> R – 24VAC HOT (RED LED) C – Common Y – Compressor (YELLOW LED) G – Fan (GREEN LED) W – Heat OR Emergency Heat (RED LED) O/B – Reversing Valve (ORANGE LED) EC – Economy Input (GREEN LED) ← Zone ONE only | | | | | | | |
| INPUTS | TEMPERATURE | 10K Type III Thermistor SA Sensor – 4" Supply Air Temperature Sensor Stainless Steel Probe (Provided with each SmartZone) | | | | | | | |
| | CONFIG & SETUP | <table border="0"> <tr> <th colspan="2">DIP SWITCHES</th> <th>DISPLAY MENU</th> </tr> <tr> <td colspan="2"> Gas/Electric or Heat Pump Reversing Valve O or B for Heat Pump Normal or Dual Fuel for Heat Pump Allow 2nd Stage ALWAYS or ONLY with more than 1 Zone Fan Electric or Fan Gas SmartLINK Equipment (Zones 1-4) or Adder Zones (Zones 5-20) </td> <td rowspan="2"> SUPPLY Air Temperature PURGE Status (Time Remaining Seconds) LO TEMP / HI TEMP Cutouts (°F) DELAY Status (Time Remaining Seconds) THERMOSTAT Type ECO (Economy) Status / FRESH AIR (Flash) </td> </tr> <tr> <td> GAS/ELECT RVS. VLV. O NORMAL 2nd STAGE FAN GAS SMART LINK ZONES (1 - 4) </td> <td> HEAT PUMP B DUAL FUEL LOCKOUT ELECTRIC ZONES (5 - 20) </td> </tr> </table> | DIP SWITCHES | | DISPLAY MENU | Gas/Electric or Heat Pump Reversing Valve O or B for Heat Pump Normal or Dual Fuel for Heat Pump Allow 2 nd Stage ALWAYS or ONLY with more than 1 Zone Fan Electric or Fan Gas SmartLINK Equipment (Zones 1-4) or Adder Zones (Zones 5-20) | | SUPPLY Air Temperature PURGE Status (Time Remaining Seconds) LO TEMP / HI TEMP Cutouts (°F) DELAY Status (Time Remaining Seconds) THERMOSTAT Type ECO (Economy) Status / FRESH AIR (Flash) | GAS/ELECT RVS. VLV. O NORMAL 2 nd STAGE FAN GAS SMART LINK ZONES (1 - 4) |
| DIP SWITCHES | | DISPLAY MENU | | | | | | | |
| Gas/Electric or Heat Pump Reversing Valve O or B for Heat Pump Normal or Dual Fuel for Heat Pump Allow 2 nd Stage ALWAYS or ONLY with more than 1 Zone Fan Electric or Fan Gas SmartLINK Equipment (Zones 1-4) or Adder Zones (Zones 5-20) | | SUPPLY Air Temperature PURGE Status (Time Remaining Seconds) LO TEMP / HI TEMP Cutouts (°F) DELAY Status (Time Remaining Seconds) THERMOSTAT Type ECO (Economy) Status / FRESH AIR (Flash) | | | | | | | |
| GAS/ELECT RVS. VLV. O NORMAL 2 nd STAGE FAN GAS SMART LINK ZONES (1 - 4) | HEAT PUMP B DUAL FUEL LOCKOUT ELECTRIC ZONES (5 - 20) | | | | | | | | |

TEMP SENSOR
INCLUDED W/ 10 FT. WIRE AND PLUG-IN CONNECTOR

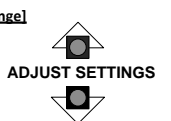


SET USING BUTTONS

- ▼ LO TEMP Cut-Out
- ▲ HI TEMP Cut-Out
 - GAS/ELECTRIC
 - HEAT PUMP
- ▲ Hold 3 sec ▲ AUX HEAT Cut-In

Default (°F) [Range]

- 48 [41 – 55]
- 135 [125 – 150]
- 120 [110 – 125]
- 90 [90 – 94]



PART NUMBERS

| | | |
|-----------------|--------------|------------------------------------|
| ZS2X-2.0 | SmartZone-2X | 2-Zone Controller w/ Supply Sensor |
| ZS4X-2.0 | SmartZone-4X | 4-Zone Controller w/ Supply Sensor |

MORE INFORMATION

- ▶ ECOJAY SMARTZONE-2X/4X ZONING/INSTALL GUIDE
- ▶ ECOJAY SMARTZONE ADVANCED FEATURES GUIDE TO ECOJAY ZONING PRODUCTS
- ▶ THESE REFERENCES & MORE AVAILABLE AT ECOJAY.COM
- ▶ OR BY CALLING 1-888-523-ECOJAY (3265)
- ▶ VIDEOS AT ECOJAY.COM

SMARTZONE



5 YEAR LIMITED WARRANTY

MADE IN THE USA

ecojoy.com
888-523-3265