

ZONE CONTROL (2 TO 20 ZONES)

SMARTZONE
ZS2X-2.0
ZS4X-2.0



DESCRIPTION

ECOJAY SMARTZONE CONTROLLERS ARE CONFIGURABLE FOR ALL RESIDENTIAL EQUIPMENT TYPES UP TO 2 COOL AND 3 HEAT. ADJUSTABLE SETTINGS ENABLE SMARTZONE TO SATISFY A WIDE RANGE OF APPLICATIONS. SMARTZONE IS PERFECT FOR CHANGE-OUT, RETRO-FIT, NEW INSTALL AND UPGRADES. EASILY CONFIGURABLE TO SATISFY EQUIPMENT REQUIREMENTS AND INSTALL CONDITIONS OF ALL TYPES. SMARTZONE SAVES INSTALLATION TIME WITH SCREWLESS WIRING TERMINALS, PUSH BUTTON SETUP AND INTUITIVE DIPSWITCH CONFIGURATION. TROUBLESHOOTING IS SIMPLIFIED WITH THE FULL FUNCTION BRIGHTLY-LIT COLOR DISPLAY AND LED'S ON ALL WIRING CONNECTORS. MULTI-STAGE THERMOSTATS ARE NOT NEEDED WITH ADJUSTABLE 'TIME & TEMPERATURE' STAGING CONTROLS. ADVANCED FRESH AIR, ECONOMIZER AND ECONOMY/AWAY MODE FEATURES OFFER MORE FLEXIBILITY AND VALUE.

DIGITAL DISPLAY

THE LIGHTED FULL FUNCTION DISPLAY CAN BE EASILY READ IN BRIGHT OR DARK CONDITIONS AND INDICATES SUPPLY TEMP, PURGE, DELAY TIMER, ECO, HI/LOW TEMP LIMIT, AND ADJUSTABLE SETTINGS.

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 LED INPUTS

LIGHT UP INDICATING CALLS FROM THERMOSTATS, ELIMINATING THE NEED FOR A VOLTMETER

ECONOMY/AWAY MODE

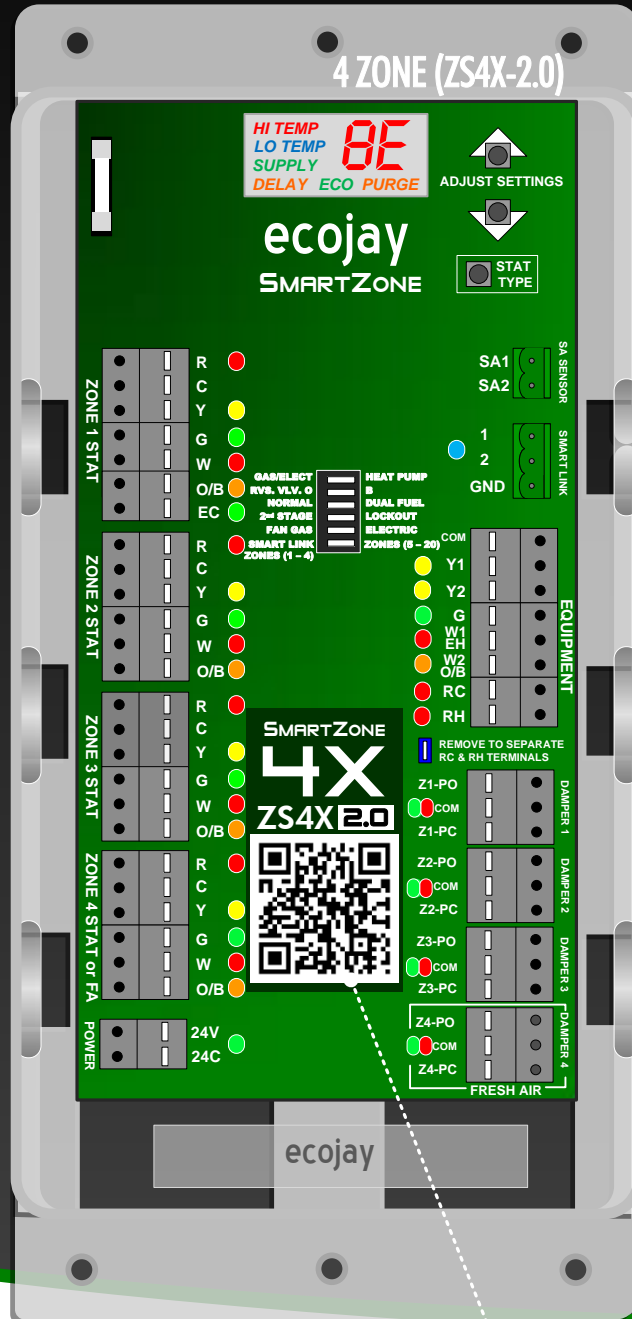
EXCLUSIVE COMFORT AND EFFICIENCY CONTROL

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)

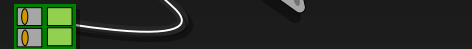


PUSHBUTTON SETUP

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

EXPAND TO 20 ZONES BY "SMART-LINKING" UP TO FIVE SMARTZONE-4X CONTROLLERS TO CREATE 8, 12, 16, OR 20 ZONE SYSTEMS

CONTROL ANY EQUIPMENT

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

COLOR CODED LED OUTPUTS

LIGHT UP INDICATING CALLS TO EQUIPMENT, ELIMINATING THE NEED FOR A VOLTMETER

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 FOUR 2-WIRE OR TEN 3-WIRE DAMPERS ON EACH ZONE

ZS4X-2.0 SHOWN, ZS2X-2.0 ON BACK



5 YEAR LIMITED WARRANTY

MADE IN THE USA

ecojay.com
888-523-3265

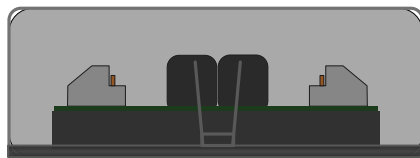
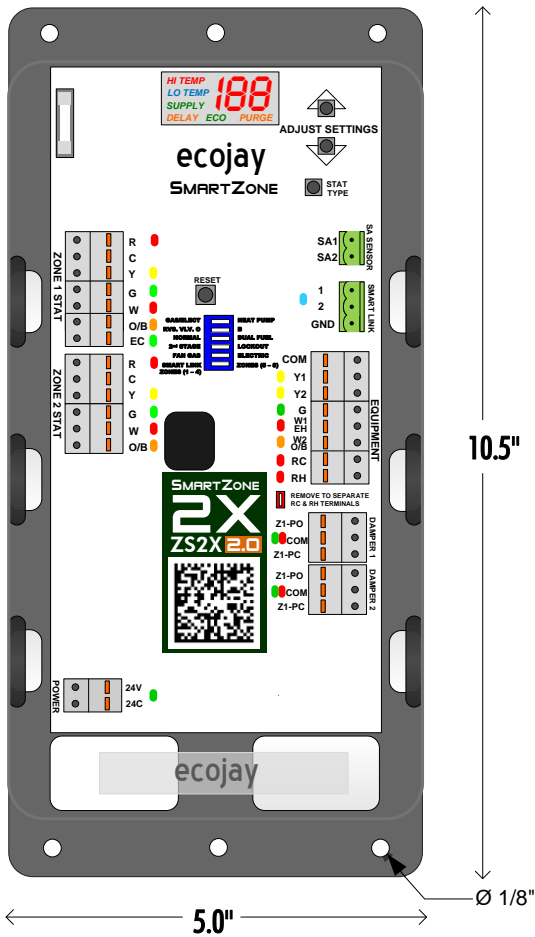
MORE INFO:
SCAN WITH
SMARTPHONE



SMARTZONE

SMARTZONE

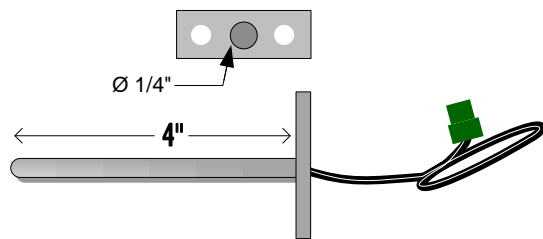
2 ZONE (ZS2X-2.0)



DURABLE ABS PLASTIC ENCLOSURE END-VIEW

SUPPLY TEMP SENSOR

WIRE LEAD AND PLUG-IN CONNECTOR



MORE INFORMATION

- ▶ ECOJAY SMARTZONE INSTALL GUIDE
- ▶ ECOJAY SMARTZONE ADVANCED FEATURES
- ▶ THESE REFERENCES & MORE AVAILABLE AT ECOJAY.COM
- ▶ OR BY CALLING 1-888-523-ECOJAY (3265)
- ▶ VIDEOS AT ECOJAY.COM

SPECIFICATION

ZS2X-2.0	SMARTZONE-2X	2-ZONE CONTROLLER W/ SUPPLY SENSOR
ZS4X-2.0	SMARTZONE-4X	4-ZONE CONTROLLER W/ SUPPLY S

POWER	SMARTZONE-2X SMARTZONE-4X	14VA MAX (375 MA @ 24VAC) [2X = 12VA, 4X = 28VA] 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	14VA + STATS (2VA EA.) + DAMPERS (3- 10 VA EA.) = 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 <i>HOT</i> FROM HEATING TRANSFORMER ON EQUIPMENT (RED) RC – 24VAC <i>HOT</i> FROM COOLING TRANSFORMER ON EQUIPMENT (RED) C – 24VAC COMMON FROM TRANSFORMER ON EQUIPMENT (NONE) Y1 – 1 ST STAGE COMPRESSOR (YELLOW) Y2 – 2 ND STAGE COMPRESSOR (YELLOW) G – FAN (GREEN) W1/EH – 1 ST STAGE HEAT OR EMERGENCY HEAT (RED) W2/OB – 2 ND STAGE HEAT OR REVERSING VALVE (ORANGE)	
	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	COMM – 3 WIRE COMMUNICATIONS TO SMARTLINK (BLUE) [USE CAT3/5/6 CABLE ONLY]	
	THERMOSTAT	LABEL – DESCRIPTION (LED COLOR) R – 24VAC <i>HOT</i> (RED) C – COMMON (NONE) Y – COMPRESSOR (YELLOW) G – FAN (GREEN) W – HEAT OR EMERGENCY HEAT (RED) O/B – REVERSING VALVE (ORANGE) EC – ECONOMY INPUT (GREEN) - ZONE ONE ONLY	
INPUTS	TEMPERATURE	10K TYPE III THERMISTOR (INCLUDED) SA SENSOR – 4" SUPPLY AIR TEMPERATURE SENSOR STAINLESS STEEL PROBE	
	HI LIMIT LO LIMIT	HEAT CUT-OUT [DEFAULT = 135 GAS / 120 HEAT PUMP] RANGE: COOL CUT-OUT [DEFAULT = 48] RANGE:	
SETTINGS	AUX HEAT LIMIT	AUX HEAT CUT-OUT [DEFAULT = 90 HEAT PUMP ONLY] RANGE: 90 - 94	
	ECONOMIZER LIMIT	ECONOMIZER CUT-OUT [DEFAULT = 60] RANGE: 58 - 68	
	THERMOSTAT TYPE	GE = GAS/ELECTRIC, HP = HEAT PUMP, G2 = 2 STAGE GE, H2 = 2 STAGE HP, FA = FRESH AIR	
	FRESH AIR TIME	# OF MINUTES PER HOUR FRESH AIR RUN TIME [DEFAULT = 0] RANGE: 0 - 60	
	ADJUSTMENT	SET USING BUTTONS	DEFAULT (°F) [RANGE]
		<ul style="list-style-type: none"> ▼ LO TEMP Cut-Out ▲ HI TEMP Cut-Out ● GAS/ELECTRIC ● HEAT PUMP ▲ Hold 5 sec ▲ AUX HEAT Cut-In ▼ Hold 5 sec ▼ ECONOMIZER Cut-Out 	<ul style="list-style-type: none"> 48 [41 – 55] 135 [125 – 150] 120 [110 – 125] 90 [90 – 94] 60 [58 – 68]
DIP SWITCHES		DISPLAY MENU	
<ol style="list-style-type: none"> 1 GAS/ELECTRIC <i>OR</i> HEAT PUMP 2 REVERSING VALVE <i>O</i> <i>OR</i> B FOR HEAT PUMP 3 NORMAL <i>OR</i> DUAL FUEL FOR HEAT PUMP 4 ALLOW 2ND STAGE ALWAYS <i>OR</i> ONLY WITH MORE THAN 1 ZONE 5 FAN ELECTRIC <i>OR</i> FAN GAS 6 SMARTLINK EQUIPMENT (ZONES 1-4) <i>OR</i> ADDER ZONES (ZONES 5-20) 		<ul style="list-style-type: none"> 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) 	
<ul style="list-style-type: none"> 1 GAS/ELECT 2 RVS. VLV. <i>O</i> 3 NORMAL 4 2nd STAGE 5 FAN GAS 6 SMART LINK ZONES (1 - 4) 		<ul style="list-style-type: none"> HEAT PUMP B DUAL FUEL LOCKOUT ELECTRIC ZONES (5 - 20) 	

