SPECIFICATION SHEET

XCI ZONING SYSTEMS

EZ2F

EZ2F Zone Controller

- > Full-Featured 2-Zone Controller
- > Electronic Limit Control™
- > Intelligent SmartStaging™
- > On-Board Fresh Air and Economizer Control
- > Bright, Backlit LCD Display
- > Return Air or Fresh Air Temperature Monitoring Available

- > Supply Air and Return Air Sensor Included
- > Plastic Enclosure and Spare Fuse Included
- > XCI Exclusive Start-Up Equipment Test Mode
- > Stand-Alone or 2-Zone Expansion Module
- > LED Indicates Blown Fuse
- > Dependable Field-Proven Platform



GENERAL DESCRIPTION

The XCI EZ2F controller features a state-of-the-art microprocessor for reliable control of two (2) zones from a single forced-air HVAC system. The panel includes a bright, backlit LCD display with full text for system status monitoring and diagnosis. In addition, each thermostat and equipment terminal has its own color-coded LED allowing for easy monitoring of thermostat and equipment calls. The included supply air temperature sensor allows for constant monitoring of supply air temperature in the plenum. XCI's exclusive Electronic Limit Control™ (ELC) technology protects the system's compressor and heat exchanger from potential issues associated with freeze-up and over heating. Intelligent Smart-Staging™ handles equipment staging based on time and temperature, allowing the use of single-stage thermostats. Exclusive Economy Mode provides comfort and efficiency control. Supports up to 3-Stage Heating and 2-Stage Cooling equipment.

EZ Installation

- Mounts with Two Screws
- Quick-Connect Screwless Terminals
- Innovative Enclosure Design with Multiple Wiring and Mounting Options

EZ Configuration

- Simple Step-By-Step System Setup
- Controller Guides You Thru Each Step
- Backlit LCD Display is EZ to See
- No Dipswitches No Confusion No Guessing

EZ Troubleshooting

- Display Indicates Full System Status
- Color-Coded LED Indicators for Each Thermostat Call and Equipment Call
- Two-Color LED Indicators Show Damper Position
- Red LED Indicates Blown Fuse

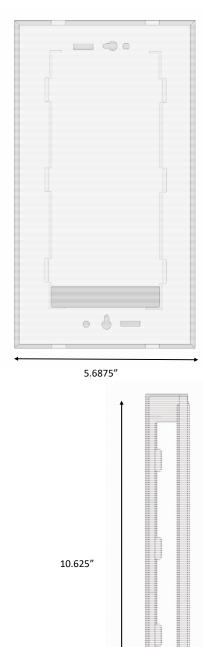
EZ Operation

- Mix & Match Standard Gas/Electric and Heat Pump Thermostats
- Intelligent Staging™ Based on Supply Air Temperature
- Automatic Changeover for Maximum Comfort
- Microprocessor Manages All Complex Decisions
- Adjustable Staging Time and Temperature for Maximum Comfort

EZ Customer Features

- Customer Never Needs to Use the Control Panel
- Selectable Zone-1 Priority for More Customer Control
- Enable Emergency Heat from Zone 1 Thermostat
- Constant Supply Air Monitoring from ELC™ Ensures Customer Safety
- Zone Specific Ventilation Energize Fan from Any Thermostat

	EZ2F	8VA Max (24VAC @ 300mA)		
ER		Separate transformer design for controller, thermostats and dampers (Field Supplied)		
		Separate RC & RH terminals for separate equipment transformers, if needed		
POWER	System Power	8VA + Thermostats (3VA) + Dampers (3 to 10VA) = Total Transformer Size		
В	Requirements			
	Protection	Integrated 5x20mm 300ma Slo-Blo Fuse - One replacement also included		
				U.
		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)		
TS	Equipment	C - 24VAC COMMON from Transformer on Equipment (NO Led)	10.625"	
OUTPUTS		Y1 - 1st Stage Compressor (YELLOW Led)		
5		Y2 - 2nd Stage Compressor (YELLOW Led)		U_
0		G - Fan (GREEN Led)		
		W1/EH - 1st Stage Heat OR Emergency Heat (RED Led)		
		W2 O/B - Reversing Valve OR 2nd Stage Heat (ORANGE Led)		
S		10 AMP @ 24VAC Contact Rating		
Ž		Power Close/Spring Open Dampers (10VA)		
OUTPUTS	Dampers	Power Open/Power Close Dampers (3VA)		
ō				0 8
		LABEL - DESCRIPTION (LED COLOR)		ļ
INPUTS		R - 24VAC <i>HOT</i> (RED)		←
		C - Common (NONE)		5.6875
		Y - Compressor (YELLOW)		
4	Thermostat	G - Fan (GREEN)		
=		W - Heart OR Emergency Heat (RED)		
		O/B - Reversing Valve (ORANGE)		
		EC - Economy Input (GREEN) \leftarrow Zone ONE Only		
S		10K Type II Thermistor		
5	Temperature	SA Sensor - 4" Supply Air Temperature Sensor - Stainless Steel Probe w/10ft.		
INPUTS		Cable and Plug (Provided with each SmartZone Controller)		
		SPECIAL FEATURES		
	Equipment	A/C - Gas Heat		10.625"
FEATURES	Capabilities	A/C - Electric Heat		
	Capabilities	Electric Heat Pump - Electric Auxiliary Heat		
		3 Heat/2 Cool		
	Controller	Intelligent Staging		
	Capabilities	Zone 1 Thermostat Staging Capable		
	Capabilities	Electronic Limit Control		
		Adjustable High and Low Limit Set points		
FE/		Adjustable Time and Temperature Aux Heat Staging		
		Works with Most 5-Wire Thermostats with Common Terminal		
		On-Board Supply Air Temperature Monitoring		
		Back-lit LCD Display		
		LED Indicators for Thermostat and Equipment Calls		5.6875"
		Exclusive Technician Run-Test Mode		·
		5-Year Warranty		
		LED Indicator for Blown Fuse	1.625"	
			023	



1.625"