

EC-**** - 0* A0 -* | Economizer Controller

Package Description

The economizer replacement controls package is designed to clean your air and save on utility costs. Packages include ion air cleaners for 400 CFM/Ton nominal Roof Top Units (RTU) & standard loading, VOC sensor, CO2 sensor, 2 temperature probes and an ion mounting plate. If your current system has drastically different CFM/Ton, contact the factory for more information on adjustments that are needed. These economizer controllers are compatible with RTU Open and Carrier Comfort Network.

Economizers with Indoor Air Quality control are Title 24 compliant by meeting section 120.2(i) for the required controls and the efficiency requirements in 140.4(e). They also meet California ozone emissions requirements to be CARB certified.



UL 867
UL 2998
CSA C22.2



File# 101141865COL-003

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Part Number

EC - 1 - 2 3 4 5 - 6

type	unit/ton (1)							
EC - ECONOMIZER	26	6075	CHAS12	A-BOX	FND35	PREC810	AFF	SCL34
	712	100	CHAS34	B-BOX	PACK13	VOY12	LXS	SCLHE12
	1525	125	CHAS5	C-BOX	PREC35	VOY12HE	LXL	SCLHE34
	3050	150	CHAS69	D-BOX	PREC48	VOY1525HE	SCS12	PRED
	Controls Only	Carrier	E-BOX	PREC610			SCS34	PRES
			F-BOX		Trane		SCSHE12	SL
			Lennox				SCSHE34	SLL
							SCL12	SLU
								York

configuration (2)

- 0 - NO ECON
- C - CONVERTIBLE
- H - HORIZONTAL
- V - VERTICAL

actuator (3)

- 0 - NO ACTUATOR
- A - 20 IN-LB
- B - 62 IN-LB
- C - 160 IN-LB

controls (4)

- 0 - ECON ONLY
- A - IAQ
- B - IAQ (NO IONIZATION)
- D - DCV

power exhaust (5)








- 0 - NO POWER EXHAUST
- A - 208/230V 1Φ FIXED PE
- B - 208/230V 3Φ FIXED PE
- C - 460V 3Φ FIXED PE

options (6)





- 0 - NONE
- B - HUMIDITY
- C - BACNET
- D - BLDG PRESSURE*
- R - RTU OPEN
- U - ULTRA LOW LEAK

Note: By adding option "D" any powered exhaust will be modulating.

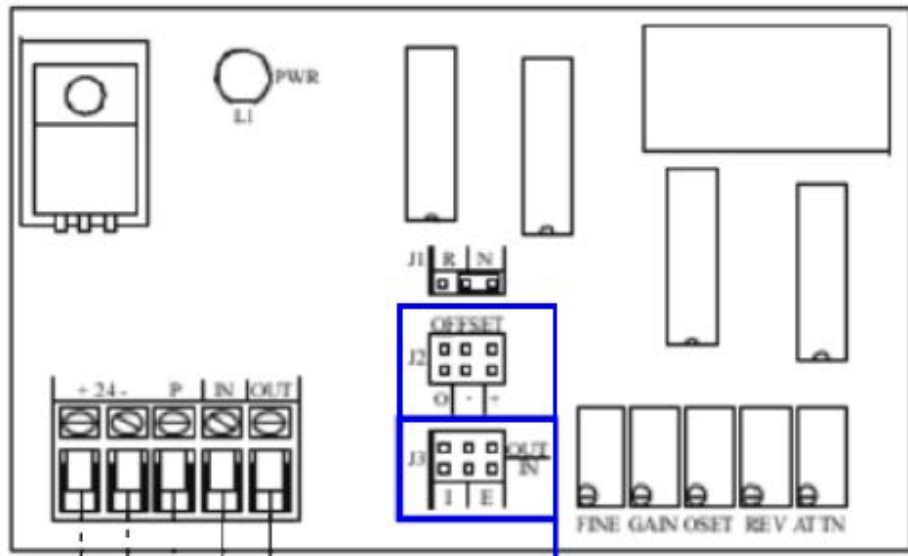
Package Matrix

	Part #	Quantities							
		EC-26-**-*	EC-712-**-*	EC-1525-**-*	EC-3050-**-*	EC-6075-**-*	EC-100-**-*	EC-125-**-*	EC-150-**-*
	Ion Generator mod. # ION-0A*00	1	2	4	8	12	16	20	24
	Ion Generator Mounting Kit mod. # UNV-0016-Kit	1	2	4	8	12	16	20	24
	VOC Sensor mod. # SEN-0071	1	1	1	1	1	1	1	1
	Transformer mod. # TRN-0005 Kit	0	0	1	1	2	2	2	2
	Economizer Controller mod. # CNT-0088	1	1	1	1	1	1	1	1
	CO2 Sensor mod. # SEN-0002	1	1	1	1	1	1	1	1
	Temperature Probe mod. # SEN-0012	2	2	2	2	2	2	2	2
Electrical Data	24v	0.27A	0.44A	N/A	N/A	N/A	N/A	N/A	N/A
	230v	N/A	N/A	0.08A	0.15A	0.22A	0.29A	0.36A	0.43A
	460v	N/A	N/A	0.04A	0.08A	0.11A	0.14A	0.18A	0.21A
Total Weight		1.07 lbs	1.72 lbs	5.52 lbs	8.12 lbs	10.72 lbs	15.82 lbs	18.42 lbs	21.02 lbs

Package Add-Ons

	Humidity Sensor mod. # SEN-0001	If you would like to add enthalpy sensing to your system, include a humidity sensor.
	Actuators mod. # MTR-000*	Allows for feedback to be given. Can replace current actuators without a feedback system. MTR-0002 - 20 in-lbs; MTR-0003 - 60 in-lbs; MTR-0004 - 160 in-lbs
	BACnet Translator mod. # PRG- BACNET- ECON-5.** KIT	For reliable protocol translation, add our BACNet Translator to your system.
	BP Sensor mod. # SEN-0065	Allows for low-pressure measurement for building energy management and comfort control.

RTU Open Wiring Diagram



24 VAC/DC
Power Supply

Analog Input Signal
From iAire Controller A01

