

24V COMMON

KEY	COMPONENT
A1	PANEL, AUTOMATED LOGIC CONTROLLER
A2	SENSOR, RETURN AIR (ALC)
A55	PANEL, CONTROL MAIN BOARD LENNOX
A74	SENSOR, ROOM (64K61)
A171	SENSOR ONE, SMOKE, RETURN AIR
A172	SENSOR TWO, SMOKE, SUPPLY AIR
A173	MODULE, CONTROL SMOKE DETECTION
K65	RELAY, EXHAUST FAN
K144	RELAY, SMOKE DETECTOR ALARM
K199	CONTACTOR, EXHAUST BLOWER 1
K201	CONTACTOR, EXHAUST BLOWER 2
K210,-1	RELAY, SAFETY
RT1	SENSOR, DISCHARGE AIR
RT6	SENSOR, A55 DISCHARGE AIR (IMC))
RT16	SENSOR, RETURN AIR TEMP
S27	SWITCH, FILTER
S42	SWITCH, OVELOAD RELAY BLOWER MOTOR LO
S52	SWITCH, AIRFLOW
S135	SWITCH, OVELOAD RELAY BLOWER MOTOR HI
S149	SWITCH, OVERFLOW
S179	SWITCH, OVERFLOW 2
TB24	TERMINAL STRIP, UNIT ADDER

J/P	JACK/PLUG DESCRIPTION
J3	ECONOMIZER BYPASS
J18	EXHAUST FAN
J62	A2 RETURN AIR SENSOR
J63	RT1 DISCH AIR SENSOR
J99	RT16 RETURN AIR SENSOR
J100	RT6 SUPPLY AIR SENSOR
J250	SMOKE DETECTOR ONE
J251	SMOKE DETECTOR ONE
J252	SMOKE DETECTOR TWO
J253	SMOKE DETECTOR TWO
J255	MODULE, CONTROL SMOKE DETECTION
J261	SUPPLY SMOKE DETECTOR JUMPER
J262	ECONOMIZER
J264	BLOWER DECK
J265	CONTACTORS AND RELAYS
J297	THERMOSTAT - DDC INTERFACE
J298	IAQ INTERFACE
J299	SAFETY INTERFACE
J305	SAFETY RELAY INTERFACE

 DENOTES OPTIONAL COMPONENTS
 CLASS II FIELD WIRING

1 P298-8 IS SERVICE RELAY OUTPUT (24VAC) IF USED CONNECT TO AN INDICATOR LIGHT OR RELAY MAX 4VA

 FOR MOTORS WITH S42 AND S135 EXTERNAL OVERLOAD WITH A55 (M2 UNIT CONTROLLER)

3 DO 7 USED ON UNITS WITH HUMIDITROL TO POWER EXHAUST FANS. DO 6 PROVIDES POWER TO K65 ON UNITS WITH NO HUMIDITROL

4 REMOTE LOCATION OF RT6

 S135 AND S42 HOOKUP FOR UNITS LESS INVERTER, SEE INVERTER WITH BYPASSING FOR S42 HOOKUP

6 242-360H UNITS: K65 IS USED WITH EXHAUST FANS,
K205 IS USED WITH EXHAUST BLOWERS (D-BOX)

 K199 AND K201 USED ON 420-600S (E-BOX) UNITS ONLY

 ON UNITS WITH HUMIDITROL DO 6 PROVIDES INPUT TO INITIATE HUMIDITROL

 M2 SETTINGS MUST BE MODIFIED WHEN A42,S42, S52, S135 OR S149 ARE INSTALLED

 USED ON 156-300S (C-BOX) UNITS ONLY;
REFER TO DETAIL

 CONNECT A172 SENSOR TO J261 ON SUPPLY AIR SMOKE DETECTOR ONLY

 S179 OVERFLOW SWITCH USED ON LGH/LCH 420-600S (E-BOX) UNITS ONLY



ENERGENCE WIRING DIAGRAM

ACCESSORIES

CONTROL FOR ENERGENCE™ SERIES
RTM 2.0 AUTOMATED LOGIC FOR TARGET

SECTION C

REV 3.0

Supersedes

New Form No.

537186-01