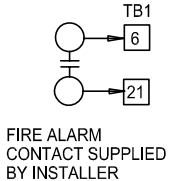


**A148 USED FOR ZONING APPLICATIONS. RT6 REQUIRED WHEN A148 IS USED.**

- ⚠** IF A148 IS NOT USED, CONNECT SYSBUS 1 AND 3 OF A105 TO 9 AND 8 OF A74
- ⚠** A2 OR A74 USED FOR SINGLE ZONE APPLICATIONS. A2 MAY BE USED WITH A74 AS BACKUP
- ⚠** A105 OPTIONAL
- ⚠** A74-SELECT ONE OF FOUR CONTROL VARIATIONS WITH OR WITHOUT DISPLAY
  1. TEMP ONLY
  2. TEMP AND RH
  3. TEMP AND CO2
  4. TEMP, RH AND CO2
- ⚠** OPTIONAL AVERAGING SENSOR, ONE TO FOUR MAY BE USED (TWO ARE SHOWN)
- ⚠** TERMINAL DESIGNATION WHEN USING DH400 SENSOR
- ⚠** A42 AND S42 HOOKUP ARE UNITS LESS INVERTER, SEE INVERTER WITH BYPASS DIAGRAMS FOR S42 HOOKUP
- ⚠** REMOTE LOCATION OF RT6
- ⚠** A42 CONTACTS CLOSE ON POWER UP, UNLESS THERE IS A FAILURE MODE
- ⚠** S27 AND S52 ARE OPTIONAL
- ⚠** FOR MOTORS WITH S42 EXTERNAL OVERLOAD
- ⚠** TB1-19 IS SERVICE RELAY OUTPUT (24VAC). IF USED CONNECT TO A INDICATOR LIGHT OR RELAY COIL (MAX 4VA)

— DESIGNATES OPTIONAL WIRING  
 - - - - - CLASS II FIELD WIRING



KEY	DESCRIPTION
A2	SENSOR-ELECTRONIC
A17	DETECTOR-SMOKE
A42	MONITOR-PHASE PROTECTION
A55	PANEL-MAIN
A56	PANEL-ECON-EMI
A63	SENSOR-CO2(1AQ) OPTIONAL
A64	DETECTOR-SMOKE,SUPPLY AIR
A74	SENSOR-ROOM
A91	SENSOR-HUMIDITY
A105	CONTROL PANEL-L CONNECTION
A148	CONTROL-ZONE LINK
A158	CONTROL-OCCUPANCY
J16	JACK-UNIT
J62	JACK-A2 RETURN AIR SENSOR
J63	JACK-RT1 DISCH. AIR SENSOR
J64	JACK-S27 FILTER SWITCH
J65	JACK-S52 FAN SWITCH
J66	JACK-COOL 1 INTERFACE
J99	JACK-DISCHARGE TEMP SENSOR
J100	JACK-RETURN TEMP SENSOR
J101	JACK-SMOKE DETECTOR,RETURN AIR
J102	JACK-SMOKE DETECTOR,SUPPLY AIR
J103	JACK-SENSORS,CONTROL
J110	JACK-THERMOSTAT INPUT
J112	JACK-COOLING SENSOR INPUT
J113	JACK-BLOWER & COOL 1 CONTROL
J114	JACK-SENSOR INPUT
J115	JACK-ECONOMIZER OUTPUT
J125	JACK-BLOWER PROVING
J126	JACK-JUMPER,BLOWER PROVING
J142	JACK-ECONOMIZER HARNESS

KEY	DESCRIPTION
P16	PLUG-UNIT
P62	PLUG-A2 RA SENSOR
P64	PLUG-S27 FILTER SWITCH
P65	PLUG-S52 BLOWER PROVE SWITCH
P66	PLUG-COOL ONE
P99	PLUG-DISCHARGE TEMP SENSOR
P100	PLUG-RETURN TEMP SENSOR
P101	PLUG-SMOKE DETECTOR,RETURN AIR
P102	PLUG-SMOKE DETECTOR,SUPPLY AIR
P103	PLUG-SENSORS,CONTROL
P110	PLUG-THERMOSTAT INPUT
P112	PLUG-COOLING SENSOR INPUT
P113	PLUG-BLOWER & COOL 1 CONTROL
P114	PLUG-SENSOR INPUT
P115	PLUG-ECONOMIZER OUTPUT
P125	PLUG-BLOWER PROVING
P126	PLUG-JUMPER,BLOWER PROVING
P142	PLUG-ECONOMIZER HARNESS
RT6	SENSOR-A55 DISCHARGE (IMC)
RT16	SENSOR-RETURN AIR TEMP
RT17	SENSOR-OUTSIDE AIR TEMP
RT29	SENSOR-AVERAGING, 11K OHM
S27	SWITCH-FILTER
S42	OVERLOAD-RELAY,BLOWER MOTOR
S52	SWITCH-AIRFLOW
TB1	TERMINAL STRIP-24V CLASS II
TB34	TERMINAL STRIP-TRANSFORMER T1
TB68	TERMINAL STRIP-SYSBUS
TB69	TERMINAL STRIP-ZONEBUS
TB70	TERMINAL STRIP-POWER

WIRING DIAGRAM	9/06
<b>ACCESSORIES</b>	
<b>CONTROL FOR L SERIES, S-CLASS COMFORT SENSOR</b>	
FIELD	
<b>TEMPERATURE CONTROL SECTION</b>	
Supersedes Form No.	New Form No. 535,532W