

DESCRIPTION	
KEY	COMPONENT
A1	PANEL LOGIC, NOVAR 2051
A2	SENSOR, RETURN AIR (NOVAR)
A16	CONTROL MICROPROCESSOR
A24	CONTROL, OUTDOOR AIR CFM FLOW
A34	DUCT STATIC PRESSURE
A55	PANEL, MAIN
A63	SENSOR, CO2 (IAQ) OPTIONAL
A75	SENSOR, ROOM (97H5301)
A95	SENSOR, AVERAGING
A98	SENSOR, TEMP SWITCHOVER
A171	SENSOR ONE, SMOKE, RETURN AIR
A172	SENSOR TWO, SMOKE, SUPPLY AIR
A173	MODULE, CONTROL SMOKE DETECTION
A176	SENSOR, ROOM
J62	JACK, RETURN SENSOR A2
J63	JACK, DISCHARGE AIR SENSOR RT1
J79	JACK, DIGITAL TO P-17
J80	JACK, HEADER ETM 2051
J99	JACK, RT16 RETURN AIR SENSOR
J100	JACK, RT6 SUPPLY AIR SENSOR
J250	JACK, SMOKE DETECTOR ONE
J251	JACK, SMOKE DETECTOR ONE
J252	JACK, SMOKE DETECTOR TWO
J253	JACK, SMOKE DETECTOR TWO
J255	JACK, MODULE, CONTROL SMOKE DETECTION
J261	JACK, SUPPLY SMOKE DETECTOR JUMPER
J262	JACK, ECONOMIZER
J264	JACK, BLOWER DECK
J297	JACK, THERMOSTAT - DDC INTERFACE
J298	JACK, IAQ INTERFACE
J299	JACK, SAFETY INTERFACE
J300	JACK, NOVAR THERMOSTAT
J301	JACK, NOVAR DISCHARGE SENSOR
J302	JACK, BLOWER PROVING SWITCH
J303	JACK, FILTER AND AIRFLOW FIELD INTERFACE
K222, -1	RELAY, COMPRESSOR LOCKOUT
P62	PLUG RETURN SENSOR A2
Pe3	PLUG DISCHARGE AIR SENSOR RT1

P79	PLUG, HEADER NOVAR
P80	PLUG, HEADER ETM 2501
P99	PLUG, RT16 RETURN AIR SENSOR
P100	PLUG, RT6 SUPPLY AIR SENSOR
P250	PLUG, SMOKE DETECTOR ONE
P251	PLUG, SMOKE DETECTOR ONE
P252	PLUG, SMOKE DETECTOR TWO
P253	PLUG, SMOKE DETECTOR TWO
P255	PLUG, MODULE, CONTROL SMOKE DETECTION
P262	PLUG, ECONOMIZER
P264	PLUG, BLOWER DECK
P297	PLUG, THERMOSTAT - DDC INTERFACE
P298	PLUG, IAQ INTERFACE
P299	PLUG, SAFETY INTERFACE
P300	PLUG, NOVAR COMMUNICATIONS
P301	PLUG, NOVAR THERMOSTAT
P302	PLUG, NOVAR DISCHARGE SENSOR
P303	PLUG, BLOWER PROVING SWITCH
P304	PLUG, SYS BUS
RT1	SENSOR, DISCHARGE AIR
RT6	SENSOR, AS5 DISCHARGE AIR (IMC)
RT16	SENSOR, RETURN AIR TEMP
S27	SWITCH, FILTER
S42	SWITCH, OVERLOAD RELAY BLOWER MOTOR
S52	SWITCH, AIRFLOW
S56	SWITCH, MOMENTARY OVERRIDE
S135	OVERLOAD, BLOWER MOTOR SUPPLY
S149	SWITCH, OVERFLOW ONE
S179	SWITCH, OVERFLOW TWO
T8	TRANSFORMER, 120 V GENERATOR POWERED

- ▲ P298-8 IS SERVICE RELAY OUTPUT (24VAC) IF USED CONNECT TO AN INDICATOR LIGHT MAX 4VA
- ▲ FOR MOTORS WITH S42 AND S135 EXTERNAL OVERLOAD WITH A55 (UNIT CONTROLLER)
- ▲ S27 AND S52 USED WITH ETM 2051, PRODIGY SETTINGS NEED TO BE MODIFIED, WHEN TRANSFERRING TO ETM 2051
- ▲ REMOTE LOCATION OF RT6
- ▲ S42 AND S135 HOOKUP FOR UNITS LESS INVERTER, SEE INVERTER WITH BYPASSING FOR S42 OR INVERTER ALARM INPUT HOOKUP
- ▲ A2 RETURN AIR SENSOR REMAINS IN PLACE WHEN A98 SWITCHOVER SENSOR WTS-SOS (18L3601) IS USED.
- ▲ A95 AVERAGING SENSOR MAY BE USED WITH A74 OR A75 ROOM SENSORS. DISCONNECT RT1 DISCHARGE AIR SENSOR (NOVAR) WHEN A95 IS USED.
- ▲ DISCONNECT A2, WHEN A74 OR A75 ROOM SENSOR IS USED.
- ▲ PRODIGY SETTINGS NEED TO BE MODIFIED WHEN K222, S42, S135, S149 OR S179 ARE INSTALLED
- ▲ CONNECT A172 SENSOR TO J261 ON SUPPLY AIR SMOKE DETECTOR ONLY
- ▲ S179, OVERFLOW SWITCH USED ON LGH/LCH 420-600 UNITS ONLY
- ▲ A63, A34 & A24 ARE MUTUALLY EXCLUSIVE
- ▲ SEE SCR DIAGRAM FOR W1 AND W2 WIRING

 DENOTES OPTIONAL COMPONENTS
 CLASS II FIELD WIRING

05/16		WIRING DIAGRAM	05/16
		537107-03	
ACCESSORIES			
CONTROL FOR ENERGENCE NOVAR ETM 2051			
SECTION C			REV. 2
Supersedes		New Form No. 537107-03	