



24V COMMON

| KEY | DESCRIPTION | COMPONENT |
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| 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, PIGTAIL 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 | |
| P63 | PLUG, DISCHARGE AIR SENSOR RT1 | |

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| 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, A55 DISCHARGE AIR (IMC) |
| RT16 | SENSOR, RETURN AIR TEMP |
| S27 | SWITCH, FILTER |
| S42 | SWITCH, OVERLOAD RELAY BLOWER MOTOR |
| S52 | SWITCH, AIRFLOW |
| S56 | SWITCH, MOMENTARY OVERRIDE |
| 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 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 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, 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

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| 01/15 | WIRING DIAGRAM | 01/15 |
| 537107-03 | | |
| ACCESSORIES | | |
| CONTROL FOR EMERGENCY NOVAR ETM 2051 | | |
| SECTION C | | REV. 0 |
| Supersedes | | New Form No. 537107-03 |