GEN V - CONTROL SYSTEM

VOTE BASED AUTO CHANGEOVER BYPASS VAV

TR1
24VAC
100VA

TR1
TR2   24VAC - IN
TR1
TR2   24VAC - OUT
POWER SWITCH

PWR / COMM LINK

GEN V

RETURN AIR SENSOR
LEAVING AIR SENSOR

STATUS LIGHTS
G
W2
W1/OB
Y2
Y1
OCP

RS485 COMMUNICATION LINK   A   B

ADR

FDD

OCP Y1 Y2 O/B W1 W2 G R HP
TO UNIT TERMINALS

HVAC UNIT

Y1
Y2
W1
W2
G
R

LAT

SA

RA

BP-DM

LAT

LAT

Optional Duct Temperature monitoring (sensor is not included)
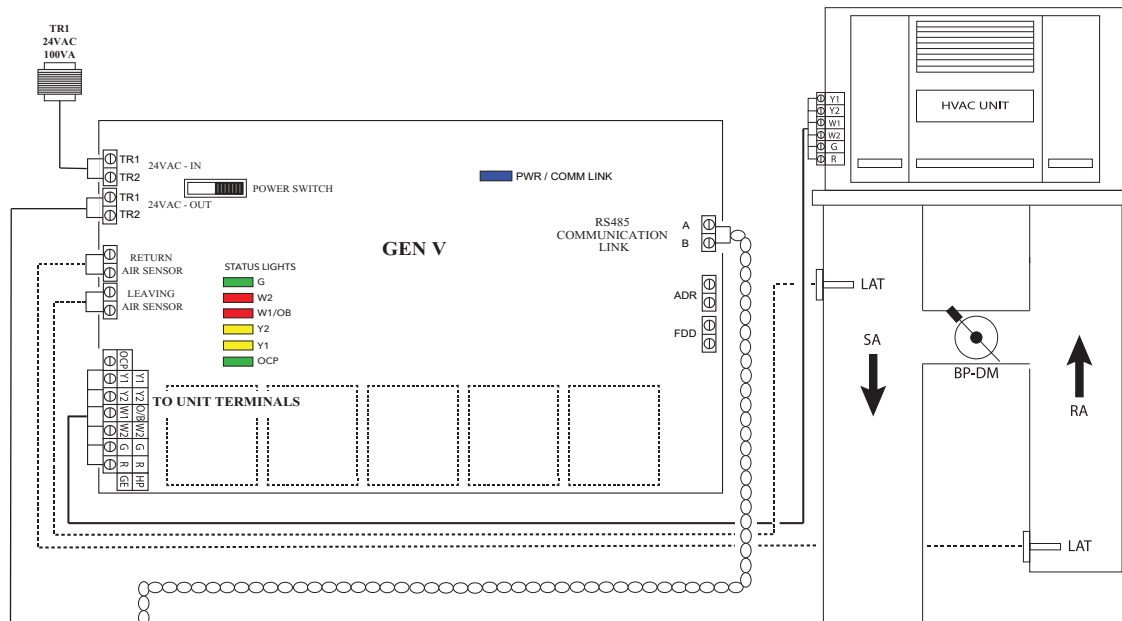
DEVICE	ID	DESCRIPTION
CONTROL BOARD	C1	GEN V CONTROLLER CONTROLS 2-10 POWER CLOSED / SPRING OPEN DAMPERS ONLY 1-24VAC/100VA TRANSFORMER POWERS ALL SUPPLY DAMPERS
EZTOUCHV (HUB) THERMOSTAT	H-1	HUB - COLOR TOUCH SCREEN THERMOSTAT
EZTOUCHX THERMOSTAT	T2 -T10	COLOR TOUCH SCREEN THERMOSTAT
ZONE DAMPER ACTUATOR	DM	SUPPLIED WITH ZONE DAMPER
SYSTEM TRANSFORMER	TR1	24VAC/100VA TRANSFORMER SIZED @ (15VA PER ZONE) DAISY CHAINED THERMOSTAT TO THERMOSTAT
SUPPLY AIR LAT DISCHARGE SENSOR	LAT	SUPPLY LAT LOCATED BEFORE THE BYPASS
RETURN AIR LAT DISCHARGE SENSOR	LAT	RETURN LAT LOCATED BEFORE THE BYPASS
BYPASS DAMPER	BP-DM	BAROMETRIC BYPASS DAMPER
RS485 COMMUNICATION LINK	∞	ZONEX 2 WIRE TWISTED PAIR DAISY CHAINED EZTOUCHV TO EZTOUCHX
24VOLT WIRING TO EZTOUCHX	—	USE 18GA THERMOSTAT WIRE TO DAISY CHAIN THE 24VOLTS FROM EZTOUCHV TO EZTOUCHX's
24VOLT WIRING FROM EZTOUCHX TO DAMPER MOTOR	- - -	USE 18/3 THERMOSTAT WIRE FROM THE EZTOUCHX TO THE DAMPER MOTOR

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FOR APPLICATIONS ASSISTANCE CALL 800-228-2966

2 POSITION DAMPER DM-1
2 POSITION DAMPER DM-2
2 POSITION DAMPER DM-3
2 POSITION DAMPER DM-3

H-1
11:15 am
73.7°
modes
cool-to 72°   heat-to 68°
GND B A RC RO MC   DS DS AUX COM TR2 TR1

T-2
11:15 am
70.1°
modes
cool-to 72°   heat-to 68°
GND B A RC RO MC   DS DS AUX COM TR2 TR1

T-3
11:15 am
71.5°
modes
cool-to 72°   heat-to 68°
GND B A RC RO MC   DS DS AUX COM TR2 TR1

T-4
11:15 am
72.8°
modes
cool-to 73°   heat-to 66°
GND B A RC RO MC   DS DS AUX COM TR2 TR1

DAISY CHAIN 24VAC AND DATALINK CABLE (ZONEX TWPR or STPR) FROM STAT TO STAT - EXPANDABLE TO 10 ZONES