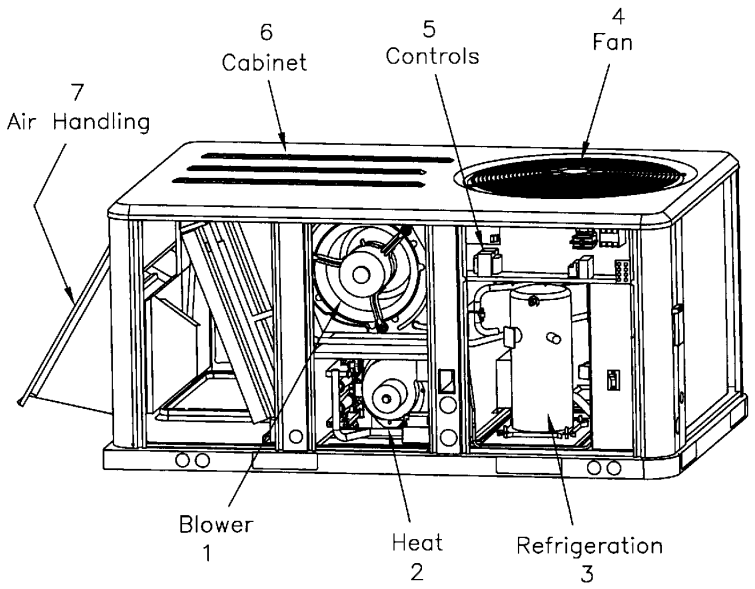
General Assembly

75006120 REV B

Typical illustration. Unit may not appear exactly as shown.



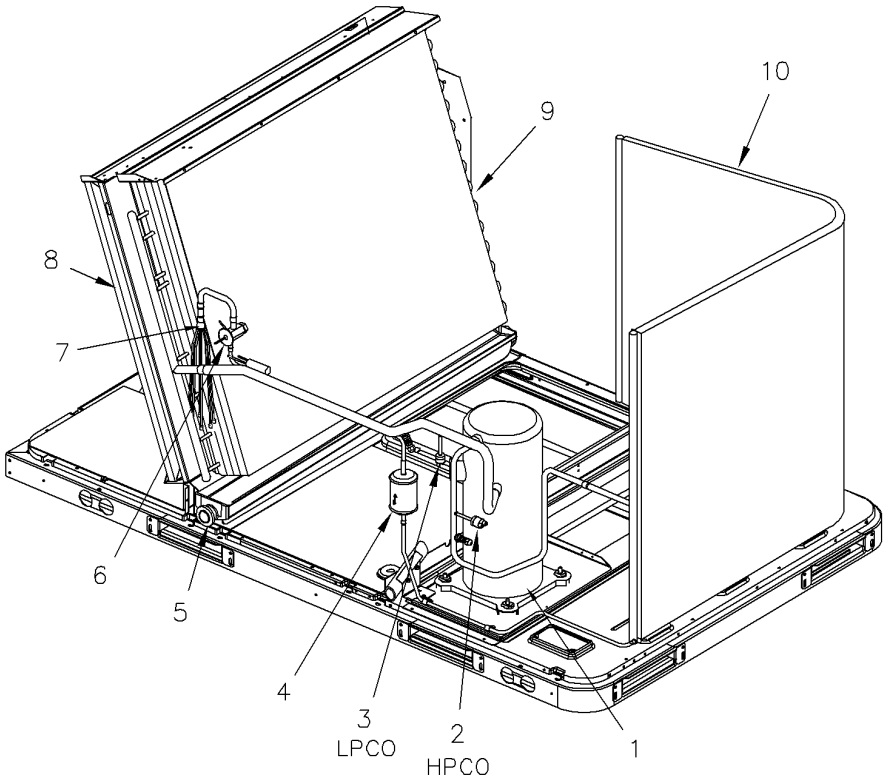
8 Sensors

View is determined by facing Appearance Nameplate

Part No.	Reference No.	Quantity	Description
75009828	3		REFRIGERATION
75006103	4		FAN
75008684	9		MODEL NUMBER DESCRIPTION, DIGITS 1-17
75008685	9		MODEL NUMBER DESCRIPTION, DIGITS 18-31
75008686	9		MODEL NUMBER NOTES
OPTIONS	10		OPTIONAL FIELD INSTALLED ACCESSORIES

Refrigeration 75009828 REV A

Typical illustration. Unit may not appear exactly as shown.



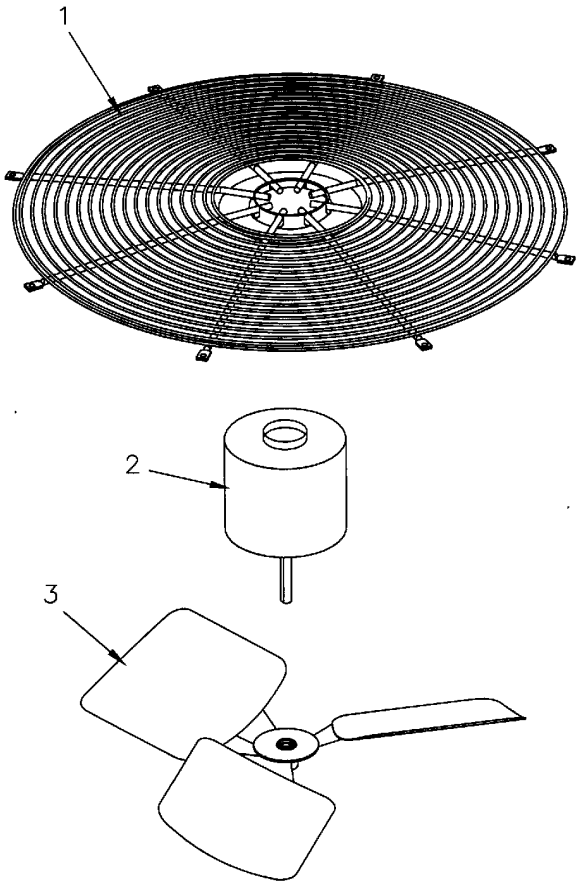
Part No.	Reference No.	Quantity	Description
BRK03274	*	2	BRACKET; BASE SUPPORT MOUNT, 10.3 LENGTH (FORKLIFT BRACKET)
BRK03275	*	1	BRACKET; COMPRESSOR SUPPORT (3 SIDES)
BRK03938	*	1	BRACKET; FILTER CHANNEL, 50.50 LENGTH
HTR03436	*	1	HEATER; CRANKCASE 6.5 DIA, 40W, 575V, 45 INCH LEADS (32W AT 460V)
ISR00007	*	4	ISOLATOR; VIBRATION
KIT08039	*	1	KIT; GROMMETS. COMPRESSOR MOUNTING. (CONSISTS OF 4), 0.44 ID X 1.63 OD NEOPRENE RUBBER-BLACK 45-55 DUROMETER
NUT00355	*	4	NUT; HEX, LOCK, 5/16IN.-18
NUT00890	*	4	NUT; PALLET, 5/16-18 UNC 2B THD.
PLT03619	*	1	PLATE; MOUNTING, COMPRESSOR, 34.56 X 14.30
PLU00958	*	1	PLUG; SCROLL COMPRESSOR, 230/60/1, RD-10GA, OR-14GA, BK-10GA, 45 IN LENGTH
SET00819	*	2	SEAT; SADDLE MOUNT ASSEMBLY
STM00803	*	2	STEM; SADDLE MOUNT, VALVE CORE, BRASS, .344 DIA X 1.29 SCHRAEDER TYPE FITTING (TO INCLUDE 5 PIECES)
THT02805	*	1	THERMOSTAT; WITH CLIP, .5/.625 TUBE, 38 IN, BLACK WIRES, SPST, 230F OPEN, 180F CLOSE
VAL01483	*	1	VALVE; BODY, .44-20 THD X .25 ODS, STRAIGHT, BRASS, LESS CORE
WIR03437	*	1	WIRE; HARNESS, COMPRESSOR, 14 AWG, CC1, 46 IN LENGTH (3 WIRE-RK,BL,BK)
WIR04406	*	1	WIRE; HARNESS, LOW PRESSURE SWITCH, 42 IN LENGTH, BLUE WIRES, CIR 1
COM09704	1	1	COMPRESSOR; SCROLL; ALLIANCE; R-410A; 3.5 TON (42,000 BTU/H); 460/3/60; 3/4"S X 1/2"D STUB CONNECTIONS; USES OIL00094; ALLIANCE SXA042B4BPZ
SWT03402	2	1	SWITCH; HIGH PRESSURE, BRAZED, OPENS AT 650 PSIG, CLOSES AT 550 PSIG, 61 INCH WHITE LEADS
SWT03623	3	1	SWITCH; LOW PRESSURE CUTOUT, 250 OPEN, ACTUATION PRESSURE 55 +/- 5, RESET PRESSURE 35 +/- 5
DHY01287	4	1	FILTER DRIER; LIQUID LINE, 5/16 ODM INLET X 5/16 ODF OUTLET
PAN02916	5	1	PAN; DRAIN, 52 INCH LENGTH, BLACK POLYCARBONATE, GASKETS INCLUDED
VAL09912	6	1	VALVE; EXPANSION, 4 TON, 3/8 ODF IN X 1/2 ODF OUT, NON-ADJUSTABLE, R410A, 132.1 PSIG
COL18430	9	1	COIL; INDOOR, FLAT FIN

Fan

75006103

REV A

Typical illustration. Unit may not appear exactly as shown.



Part No.	Reference No.	Quantity	Description
SCR01996	*	1	SCREW; #10-32 THREAD FORMING, IND 5/16 HEX FLG WASHER HEAD, .438/.408 LENGTH, W/GERNIBS TAPTITE II (4 PER BAG)
GRL01353	1	1	GRILLE; OUTDOOR FAN, 30.33 MTG DIA
MOT10341	2	1	MOTOR, OD FAN, 2/5 HP, 460/60/1, 380-415/50/1, 1115/940 RPM, CCW LEAD END, 48 FRAME, SLEEVE BEARINGS, 7.5 MFD CPT AT 370VOD 0.40 HP 460/60
FAN03769	3	1	FAN; 3 BLADE, 26 IN DIA, 22 DEG PITCH, CCW, 1/2 BORE

Model Number Notes

75008686 REV D

Packaged Gas/Electric YHC036E,YHC048E/F,YHC060E/F

1. Microchannel Condensor Coils are standard on THC048F & THC060F models.
2. Manual outside air damper will ship factory supplied within the unit, but must be field installed.
3. Economizer with Barometric Relief is for downflow configured units only. Order Economizer without Barometric Relief for horizontal configuration. Barometric Relief for horizontal configured units must be ordered as field installed accessory.
4. Not available with electromechanical controls
5. Multispeed direct drive is standard on single phase. Belt drive is standard on dehumidification units.
6. Belt Drive is optional on 3 phase units.
7. Epoxy coil and epoxy with hailguard options are not available for units with microchannel condenser coil.
8. Through the base electric required when ordering disconnect/circuit breaker options.
9. Includes gas piping and shutoff (field assembly required).
10. Requires use of Disconnect or Circuit Breaker. Powered Convenience Outlet not available on High Efficiency 575V.
11. Standard metering devices are TXVs.
12. Dehumidification option not available for standard efficiency models.
13. Requires selection of 2" Pleasted Filters (option B or C) for Digit 16
14. Crankcase Heater & High Pressure Control are standard on all units.
15. Frostat cannot be field installed in electromechanical units.
16. Not available with high temperature duct sensor accessory.
17. Return Air Smoke Detector cannot be ordered with Novar Controls.
18. The return air smoke detector may not fit up or work properly on the Precedent units when used in conjunction with 3rd party accessories such as bolt on heat wheels, economizers and power exhaust. Do not order the return air smoke detectors when using this type of accessory.
19. These options are standard when ordering Novar Controls.
20. This option is used when ordering Novar Controls.
21. Novar Sensor untilized with Digit 21=(4) Novar 3051 Controls without Zone Sensor.
22. Demand Control Ventilation Option includes wiring only. The CO sensor is a field–installed only option.
23. Demand Control Ventilation Option not available with electromechanical controls.

REV D

Model Number Description 75008685

Packaged Gas/Electric YHC036E,YHC048E/F,YHC060E/F
Digits 18 through 27

DIGIT 18 – Through the Base Provisions
0 = No Through the Base Provisions
A = Through the Base Electric (8)
B = Through the Base Gas Piping
A = Through the Base Electric and Disconnect (9)

DIGIT 19 – Disconnect/Circuit Breaker
0 = No Disconnect/No Circuit Breaker
1 = Unit Mounted Non–Fused Disconnect (8)
2 = Unit Mounted Circuit Breaker (8)

DIGIT 20 = Convenience Outlet
0 = No Convenience Outlet
A = Unpowered Convenience Outlet
B = Powered Convenience Outlet (10)

DIGIT 21 – Communications Options (4)
0 = No Communications Interface
1 = Trane Communications Interface
2 = LonTalk® Communications Interface
3 = Novar 2024 Controls
4 = Novar 3051 Controls without Zone Sensor
5 = Novar 3051 Controls Interface with DCV
6 = BACnet® Communications Interface
7 = Air–Fi™ Wireless Communications

DIGIT 22 – Refrigeration System Option
0 = Standard Refrigeration System (11)
B = Dehumidification Option (12) (13)

DIGIT 23 – Refrigeration Controls
0 = No Refrigeration Control (14)
1 = Frostat (15)

DIGIT 24 – Smoke Detector (16)
0 = No Smoke Detector
A = Return Air Smoke Detector (17) (18)
B = Supply Air Smoke Detector
C = Supply and Return Air Smoke Detectors (17) (18)
D = Plenum Smoke Detector

DIGIT 25 – Monitoring Controls
0 = No Monitoring Controls (19)
1 = Clogged Filter Switch (19)
2 = Fan Failure Switch (19)
3 = Discharge Air Sensing Tube (19)
4 = Clogged Filter Switch and Fan Failure Switch (19)
5 = Clogged Filter Switch and Discharge Air Sensing Tube (19)
6 = Fan Failure Switch and Discharge Air Sensing Tube (19)
7 = Clogged Filter, Fan Fail Switch and Discharge Air Sensing Tube (19)
8 = Novar 2024 Return Air Sensor (20)
9 = Novar 3051 Zone Sensor (21)
A = Condensate Drain Pan Overflow Switch
B = Clogged Filter Switch (19) and Condensate Drain Pan Overflow Switch
C = Fan Failure Switch (19) and Condensate Drain Pan Overflow Switch
D = Discharge Air Sensing (19) and Condensate Drain Pan Overflow Switch
E = Clogged Filter Switch (19), Fan Failure Switch (19) and Condensate Drain Pan Overflow Switch
F = Clogged Filter Switch (19), Discharge Air Sensing Tube (19), and Condensate Drain Pan Overflow Switch
G = Fan Failure Switch (19), Discharge Air Sensing Tube (19), and Condensate Drain Pan Overflow Switch
H = Clogged Filter Switch (19), Fan Failure Switch (19) Discharge Air Sensing Tube (19), and Condensate Drain Pan Overflow Switch

DIGIT 26 – System Monitoring Controls
0 = No Monitoring Controls
1 = Demand Control Ventilation (CO_2) (22) (23)

DIGIT 27 – Unit Hardware Enhancements
0 = No Enhancements
1 = Stainless Steel Drain Pan

See Model Number Notes graphic for explanation of Notes (1) to (23)

REV D

Model Number Description 75008684

Packaged Gas/Electric YHC036E,YHC048E/F,YHC060E/F
Digits 1 through 17

DIGIT 1 – Unit Function

Y= DX Cooling, Gas Heat

DIGIT 2 – Efficiency

H = High Efficiency

DIGIT 3 – Airflow

C = Convertible

DIGIT 4,5,6 – Nominal Gross Cooling Capacity (MBh)

036 = 3 Ton
048 = 4 Ton
060 = 6 Ton

DIGIT 7 – Major Design Sequence

E = R–410A Refrigerant
F = Microchannel Type Condenser Coils (1)

DIGIT 8 – Voltage Selection

1 = 208–230/60/1
3 = 208–230/60/3
4 = 460/60/3
W = 575/60/3

DIGIT 9 – Unit Controls

E = Electromechanical
R = ReliaTel™ Micro–processor

DIGITS 10 – Heating Capacity

L = Low Heat
M = Medium Heat
H = High Heat
X = Low Heat, Stainless Steel Heat Exchanger
Y = Medium Heat, Stainless Steel Heat Exchanger
Z = High Heat, Stainless Steel Heat Exchanger

DIGIT 11 = Minor Design Sequence

A = First Sequence

DIGITS 12,13 – Service Sequence

** = Factory Assigned

DIGITS 14 – Fresh Air Selection

0 = No Fresh Air
A = Manual Outside Air Damper 0–50% (2)
B = Motorized Outside Air Damper 0–50%
C = Economizer, Dry Bulb 0–100% without Barometric Relief (3)
D = Economizer, Dry Bulb 0–100% with Barometric Relief (3)
E = Economizer, Reference Enthalpy 0–100% without Barometric Relief (3) (4)
F = Economizer, Reference Enthalpy 0–100% with Barometric Relief (3) (4)
G = Economizer, Comparitive Enthalpy 0–100% without Barometric Relief (3) (4)
H = Economizer, Comparative Enthalpy 0–100% with Barometric Relief (3) (4)
K = Low Leak Economizer with Barometric Relief
M = Low Leak Economizer with Reference Enthalpy with Barometric Relief
P = Low Leak Economizer with Comparative Enthalpy with Barometric Relief

DIGIT 15 – Supply Fan/Drive Type/Motor

0 = Standard Drive (5)
2 = Optional Belt Drive Motor (6)

DIGIT 16 – Hinged Service Access/Filters

0 = Standard Panels/Standard Filters
A = Hinged Access Panels/Standard Filters
B = Standard Panels/2" MERV 8 Filters
C = Hinged Access Panels/2" MERV 8 Filters
D = Standard Panels/2" MERV 13 Filters
E = Hinged Access Panels/2" MERV 13 Filters

DIGIT 17 – Condenser Coil Protection

0 = Standard Coil
1 = Standard Coil with Hail Guard
2 = Black Epoxy Pre–Coated Condenser Coil ◯
3 = Black Epoxy Pre–Coated Condenser Coil with Hail Guard (7)
4 = CompleteCoat™ Condenser Coil
5 = CompleteCoat™ Condenser Coil with Hail Guard

7

See Model Number Notes graphic for explanation of Notes (1) to (23)

Part No.	Reference No.	Quantity	Description
BAS01908	*	1	BASE; THERMOSTAT, 18-32V, 50/60 HZ, GAS AND ELECTRIC, 2 STAGE HEAT AND 2 STAGE COOLING (BAYBASE006AA)
BAS01910	*	1	BASE; THERMOSTAT 18-32V, 50/60HZ, GAS AND ELECTRIC, 1 STAGE HEAT AND 1 STAGE COOLING (BAYBASE008AA)
BAYPWRX071A	*	1	POWER EXHAUST, 460V, FOR 3-5 TON T/W/YSC, D/T/W/YHC, T/YZC
BRD03177	*	1	RELIATEL COMMUNICATION INTERFACE; COMM3 & 4 PACKAGE UNITS (BAYICSI003AD) RTCI - FIELD KIT
CNT04875	*	1	CONTROL; EVAPORATOR DEFROST KIT (FROSTAT) (BAYLOAM020BB). (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
CRB00172	*	1	CURB; ADAPTA CURB (BAYQACB011AA), TRANSITIONS BAYCURB022B, 83.50 X 49.375
CRB00173	*	1	CURB; ADAPTA CURB (BAYQACB012AA), TRANSITIONS BAYCURB025B, 90.50 X 60.625
CRB00174	*	1	CURB; ADAPTA CURB (BAYQACB013AA), TRANSITIONS BAYCURB026B, 103.375 X 68.125
CRB00176	*	1	CURB; ROOFCURB (BAYCURB043AB)
DMP02176	*	1	DAMPER; 0-50% MANUAL OUTSIDE AIR DAMPER (BAYDMPR056BA)
DMP02840	*	1	DAMPER; BAROMETRIC RELIEF (BAYBARM011AB)
DMP02957	*	1	DAMPER; RELIATEL, 0-50 PERCENT MOTORIZED OUTSIDE AIR DAMPER (BAYDMPR054A)
ECN00123	*	1	ECONOMIZER; RELIATEL, 0-100% DRY BULB (BAYECON087A)
GRD00423	*	1	GUARD; THERMOSTAT (BAY28X190)
GRD01611	*	1	GUARD; HAIL GUARD ACCESSORY (BAYGARD040BB)
KIT07818	*	1	KIT; DISCHARGE AIR SENSING (BAYTUBE006A). (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
KIT09433	*	1	KIT; ACCESSORY, OPTIONS BOARD (BAYABRD001CA)
KIT09500	*	1	LCIR W/ SHORT HARNESS 3-10 TON PACKAGE UNITS (HARNESS = WIR03458) LCI-R SHORT KIT
KIT13704	*	1	KIT; FAN FAILURE SWITCH (BAYDFPS004AB). (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
KIT13706	*	1	KIT; HIGH ALTITUDE (BAYHAKT010BB)
KIT13711	*	1	KIT; VENTILATION OVERIDE (BAYVNOR001BB) (OPTIONS BOARD KIT09433-BAYABRD001CA MUST BE INSTALLED IN THE UNIT FOR THIS ACCESSORY TO OPERATE).
KIT15033	*	1	KIT; LP CONVERSION (BAYLPKT050AA)
KIT15159	*	1	KIT; CO2 SENSING (BAYCO2K001B)
KIT15160	*	1	KIT; CO2 DEMAND-CONTROLLED VENTILATION DUCT SENSOR (BAYCO2K003B)
KIT15161	*	1	KIT; REFERENCE ENTHALPY (BAYENTH005A)
KIT15162	*	1	KIT; COMPARATIVE ENTHALPY (BAYENTH006B)
KIT15390	*	1	KIT; FLUE EXTENSION - 5 FT LENGTH, 9 INCH EXTENSION, 6 IN SQUARE. INCLUDES SCREEN, BRACKET AND 8 SCREWS
KIT15864	*	1	KIT; BACNET COMMUNICATION INTERFACE, RELIATEL (BCI-R KIT FIELD INSTALLATION KIT) (BABCIR001A)
PLT02562	*	1	PLATE, SENSOR MOUNTING (BAYMTPL004AA)
PLT03127	*	1	PLATE; COMBINED MOUNTING PLATE AND ADAPTER PLATE (BAYMTPL003BA)
SEN00278	*	1	SENSOR; THERMISTOR PROBE, -40 DEG C TO 65 DEG, STRIPPED LEADS (BAYSENS016AA)
SEN00408	*	1	SENSOR; ZONE STAT, LEVEL 2, NON-HEAT PUMP (BAYSENS008BB), DUAL SETPOINT MANUAL OR AUTO CHANGEOVER
SEN00410	*	1	SENSOR; ZONE STAT ASSEMBLY (BAYSENS006BA), SINGLE SETPOINT MANUAL CHANGEOVER
SEN00435	*	1	SENSOR; ZONE LEVEL 4 (BAYSENS017BB) REMOTE ROOM SENSOR
SEN00495	*	1	SENSOR; ZONE LEVEL 4 (BAYSENS013CA) ROOM SENSOR W/ OVERRIDE AND CANCEL BUTTONS
SEN00496	*	1	SENSOR; ZONE LEVEL 4 (TRANE). (BAYSENS014CA) ROOM SENSOR W/ TEMP. ADJUSTMENT WITH OVERRIDE AND CANCEL BUTTONS

Part No.	Reference No.	Quantity	Description
SEN01120	*	1	SENSOR; REMOTE ZONE, DUAL THERMISTOR (BAYSENS032AA)
SEN01127	*	1	SENSOR; REMOTE WALL (BAYSENS033AA)
SEN01128	*	1	SENSOR; TEMPERATURE (BAYSENS034AA), RETURN AIR REMOTE TEMPERATURE SENSOR
SEN01130	*	1	SENSOR; DIGITAL ZONE (BAYSENS035AB), DIGITAL DISPLAY ZONE SENSOR
SEN01195	*	1	SENSOR; HUMIDITY ZONE, WALL MOUNTED, TRANE (BAYSENS036A)
SEN01196	*	1	SENSOR; HUMIDITY ZONE, DUCT MOUNTED, TRANE (BAYSENS037A)
SEN01289	*	1	SENSOR; PROGRAMMABLE ZONE, CONSTANT VOLUME/HEAT PUMP (BAYSENS019CA)
SEN01378	*	1	SENSOR; TEMPERATURE, REMOTE, WALL MOUNTED (BAYSTAT060AA)
SEN01379	*	1	SENSOR; TEMPERATURE, RETURN AIR - DUCT (BAYSTAT059AA)
SEN01447	*	1	SENSOR; ZONE, ROOM SENSOR W/TEMP. ADJUSTMENT WITH OVERRIDE AND CANCEL BUTTONS, 10K, DIAL, OCCUPIED (BAYSENS074AA)
SEN01448	*	1	SENSOR; ZONE, REMOTE ROOM SENSOR, 10K (BAYSENS077AA)
SEN01450	*	1	SENSOR; ZONE, ROOM SENSOR W/ OVERRIDE AND CANCEL BUTTONS, 10K, OCCUPIED (BAYSENS073AA)
THT00839	*	1	THERMOSTAT; REMOTE POTENTIOMETER, 60-90 DEG F (BAYSTAT023AA)
THT02239	*	1	THERMOSTAT; HIGH TEMPERATURE (BAYFRST001AA)
THT02424	*	1	THERMOSTAT; 1 HEAT (GAS/ELEC) 1 COOL (TCONT200ANN11AAA) NON-PROGRAMMABLE.
THT02549	*	1	THERMOSTAT; FOCUS PRO, 1H/1C (BAYSTAT051AA)
THT02550	*	1	THERMOSTAT; FOCUS PRO 3H/2C (BAYSTAT055AA)
THT02551	*	1	THERMOSTAT; COMMERCIAL PRO, 2H/2C. (BAYSTAT050AA)
THT02552	*	1	THERMOSTAT; COMMERCIAL VISION PRO, 2H/2C. (BAYSTAT052AA)
TOL00099	*	1	TOOL; RESISTANCE DECADE BOX