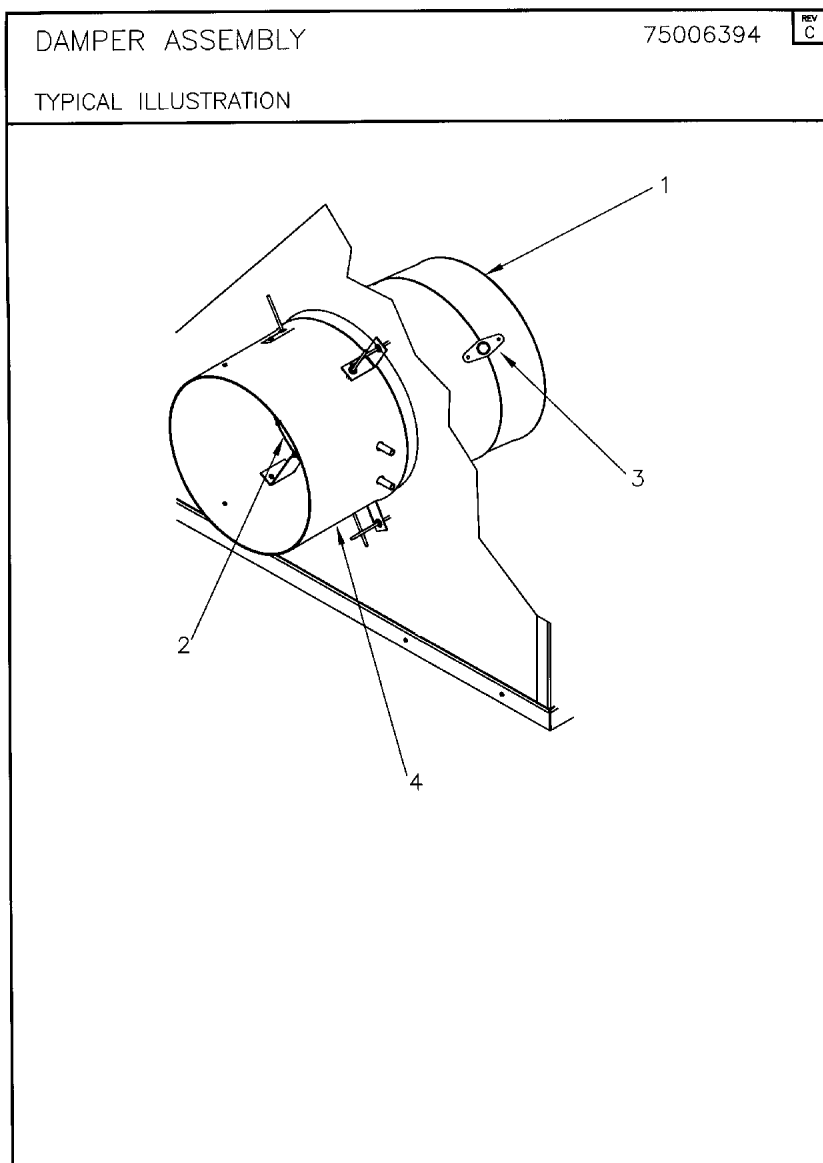


Parts List Number :VAVUP100

Model Number :VCCF10000K0ENC

Part No.	Reference No.	Quantity	Description
75006351	SEC 1A		MODEL NUMBER DESCRIPTION DIGITS 1-15
75006352	SEC 1B		MODEL NUMBER DESCRIPTION DIGITS 12-15 (CONT.)
75011453	SEC 1C		MODEL NUMBER DESCRIPTION DIGITS 12-29
75011454	SEC 1D		MODEL NUMBER DESCRIPTION DIGITS 27-40
75006394	SEC 03		DAMPER ASSEMBLY
75006737	SEC 07		CASING ASSEMBLY
75007045	SEC 10		CONTROL BOX ASSEMBLY

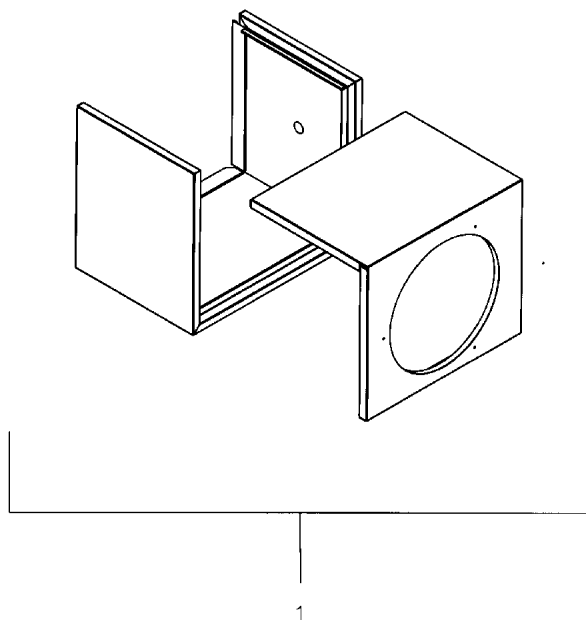


Part No.	Reference No.	Quantity	Description
DMP02065	1	1	DAMPER; ASSEMBLY, COMPLETE, 10 IN
SEN01060	2	1	SENSOR; KIT, FLOW RING, SIZE 10 IN

CASING ASSEMBLY

75006737

REV
A

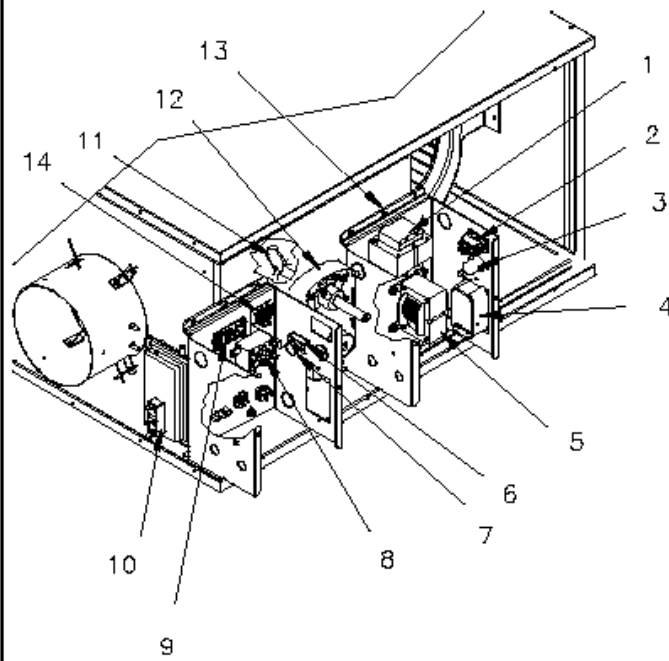


CONTROLS

75D07045



TYPICAL ILLUSTRATION



Part No.	Reference No.	Quantity	Description
CNT03637	*	1	CONTROL; ASSY., UCM CONTROL
KIT07931	11	1	KIT; EXTENSION AXEL

MODEL NUMBER DESCRIPTION

75006351

REL
E

SINGLE DUCT VARITRANE (VCCF/VCEF/VCWF)
DIGITS 1 TO 15

Example Model Number:

VCWF06000A0PN04A00B00R4VWD0251200A142B4A

1 - - - 5 - - - - 10 - - - - 15 - - - - 20 - - - - 25 - - - - 30 - - - - 35 - - - - 40

Digits 1, 2 – Model

VC = VariTrane Single Duct

Digit 3 – Unit Type

C = Cooling Only
E = Electric Heat
W = Hot Water Coil

Digit 4 – Development Sequence

F = Sixth

Digits 5, 6 – Primary Inlet

04 = 225 Cfm (4" Inlet)
05 = 350 Cfm (4" Inlet)
06 = 500 Cfm (4" Inlet)
08 = 900 Cfm (4" Inlet)
10 = 1400 Cfm (4" Inlet)
12 = 2000 Cfm (4" Inlet)
14 = 3000 Cfm (4" Inlet)
16 = 4000 Cfm (4" Inlet)
24 = 8000 Cfm (24" x 16")

Digits 7, 8, 9 – Not Used

Digits 10, 11 – Design Sequence

A0 = First
B0 = Second
Etc.

Digits 12, 13, 14, 15 – Unit Control

ENON = Shaft Only For Electric Controls
PNON = Shaft Only For Pneumatic Controls
DD00 = Shaft With Trane Electric Actuator
DD01 = DDC Cooling Only
DD02 = DDC N.C. On/Off Hot Water
DD03 = DDC Proportional Hot Water
DD04 = DDC Staged On/Off E-Heat
DD05 = DDC Pulse Width Mod Of E-Heat
DD07 = DDC N.O. On/Off Hot Water
FM00 = Cust Supp Actuator And Controller
FM01 = Trane Act And Cust Supp Controller
EI05 = Basic Op With Remote Heat Only
EI28 = Basic Op With Remote Heat & Dual Min
EI29 = Basic Op Remote Heat & Const Vol
PC00 = N.C. Actuator And Linkage Only
PC04 = N.C. 3000 Pneu Vol Reg With D.A. Stat
PC05 = N.C. 3000 Pneu Vol Reg With R.A. Stat
PN00 = N.O. Actuator And Linkage Only
PN04 = N.O. 3000 Pneu Vol Reg With D.A. Stat
PN05 = N.O. 3000 Pneu Vol Reg With R.A. Stat

PN11 = N.O. Pneu Auto Dual Minimum
PN32 = N.O. Pneu Const Vol
PN34 = N.O. Pneu Const Vol With R.A. Stat
VMA1 = Johnson Vma-1410
VMA2 = Johnson Vma-1420
PCSS = N.C. 3000 Pvr, Const. Vol., D.A. Stat
PWR1 = Seimens 540-100 W/Gde131.1 Act.
PWR2 = Powers 540-103 W/Gde131.1 Act
PWR4 = Seimens 540-100 W/Trane Act
PWR5 = Seimens 540-100 W/Gde 131.1U Act
PW12 = Siemens 550-065 540-100 W/Gde131.1 Act
PW13 = Siemens 550-067 540-103 W/Gde131.1 Act
AN17 = An17 B3865-V Or B3866-V
AN15 = An15 I2-865-V
ASI2 = Asi2 Asic/1-6000
AT01 = Automated Logic U341V
AT02 = Automated Logic U141V
AT08 = Automated Logic Zn341V
AT10 = Automated Logic Zn141V
CAR2 = Car2 33Cfantrm
BEL2 = Bel2 Lmb24-3-T Or Lmb24-Sr-T
DEL4 = Del4 Dvc-V304A Or Dvc-V304Af
DD15 = Vv550 Ddc Ctrl W/Pulse Width Mod
DD11 = Vv550 Ddc Controller - Cooling Only
DD12 = Vv550 Ddc Ctrl With N.C. On/Off H.W.
DD13 = Vv550 Ddc Ctrl With Prop. H.W.
DD14 = Vv550 Ddc Ctrl - On/Off E-Heat
DD16 = Vv550 Ddc Controller - Ventilation Flow
DD17 = Vv550 Ddc Ctrl With N.O. On/Off H.W.
DD19 = Vv550 Ddc Ctrl With Flow Tracking
DD20 = Vv550 Ddc - Vent Flow W/N.C. On/Off
DD21 = Vv550 Ddc - Vent Flow On/Off E-Heat
DD22 = Vv550 Ddc - Vent Flow W/Prop. H.W.
DD33 = Vv550 Ddc - Vent Flow W/N.O. On/Off
DD34 = Vv550 Ddc - Vent Flow W/Pulse Width Mod.
DD23 = Vv550 Ddc Space Temp Ctrl W/ Local Pwm & Remote Stgd Elec Heat
DD32 = Vv550 Ddc Space Temp Ctrl W/Local Stgd Elec Ht & Remote Stgd Elec Heat
DD24 = Vv550 Ddc Space Temp Ctrl W/Local Prop Hw Vlv & Remote Nc On/Off Hw Vlv
DD25 = Vv550 Ddc Space Temp Ctrl W/Local Prop Hw Vlv & Remote No On/Off Hw Vlv
DD26 = Vv550 Ddc Space Temp Ctrl W/Local Nc On/Off Hw Vlv & Remote Prop Hw
DD27 = Vv550 Ddc Space Temp Ctrl W/Local No On/Off Hw Vlv & Remote Prop Hw 1 of 4

MODEL NUMBER DESCRIPTION

75006352

REL
E

SINGLE DUCT VARITRANE (VCCF/VCEF/VCWF)

DIGITS 12 TO 15 (cont.)

*Example Model Number:***V****C****W****F****0****6****0****0****0****A****0****P****N****0****4****A****0****0****B****0****0****R****4****V****W****D****0****2****5****1****2****0****0****A****1****4****2****B****4****A**

1 - - - 5 - - - - 10 - - - - 15 - - - - 20 - - - - 25 - - - - 30 - - - - 35 - - - - 40

Digits 12, 13, 14, 15 – Unit Control (cont.)

DD28 = Vv550 Ddc Space Temp Ctrl w/No
On/Off Hw & Remote No On/Off Hw
DD29 = Vv550 Ddc Space Temp Ctrl W/Local
Nc On/Off Hw & Remote Nc On/Off Hw
DD30 = Vv550 Ddc Space Temp Ctrl No On/Off
Hw & Remote Nc On/Off Hw
DD31 = Vv550 Ddc Space Temp Ctrl W/Local
Nc On/Off Hw & Remote No On/Off Hw
V512 = Vm512 Johnson Controller
PNA8 = Open-Close-Open Pneu Seq
EAS3 = Vav-Ecc; Vav-W-Ecp; Vav-Ecb
ENCL = Enon With A Control Box
HNY2 = Honeywell W7751H Control
IN10 = Mnb-V2
INV3 = Invensys Mnl-V2R
VM15 = Ms-Vma 1620-0 C
VM16 = Ms-Vma 1610-0-C
HNY1 = W7751F & MI6161B2024 Act
HN20 = Hn20 Pvl4022As Or Pvb4022As
LNx1 = Lnx1 Lc-Vav-10
PW24 = Powers 550-405 Controller & Actuator
PW27 = Pw27 550-430 Or 550-431
PW32 = Pw32 550-495P Or 550-785
W/Gde131.P Or U
PW33 = Pw33 550-432 & Gde131.1P Or U
PW36 = Pw36 550-430 Or 550-431 W/540-380
ST11 = St11 587-104,588-854
REL4 = Rel4 Mpa-34-A-F
REL2 = Rel2 Ma-H
TU13 = Alerton Vav-Sd Or Vav-Sdc3
W/Lmb24-3-T
TU16 = Alerton Vav-Sd Or Vav-Sdc3
W/MI6161B2024 Act.
TU21 = Tu21 Vav-Sd-S W/Belmo Lmb24-3T Act
DD41 = Uc400 Ddc Cooling Only
DD42 = Uc400 Ddc Ctrl With N.C. On/Off H.W.
DD43 = Uc400 Ddc Ctrl With Prop. H.W.
DD44 = Uc400 Ddc Ctrl - On/Off E-Heat
DD45 = Uc400 Ddc Ctrl W/Pulse Width Mod
DD46 = Uc400 Ddc Controller - Ventilation Flow
DD47 = Uc400 Ddc Ctrl With N.O. On/Off H.W.
DD49 = Uc400 Ddc Ctrl With Flow Tracking
DD50 = Uc400 Ddc - Vent Flow W/N.C. On/Off
DD51 = Uc400 Ddc - Vent Flow w/On/Off
E-Heat
DD52 = Uc400 Ddc - Vent Flow W/Prop. H.W.
DD53 = Uc400 Ddc Space Temp Ctrl W/ Local
Pwm & Remote Stgd E-Heat

DD54 = Uc400 Ddc Space Temp Ctrl W/Local
Prop Hw & Remote Nc On/Off Hw
DD55 = Uc400 Ddc Space Temp Ctrl W/Local
Prop Hw & Remote No On/Off Hw
DD56 = Uc400 Ddc Space Temp Ctrl W/Local Nc
On/Off Hw & Remote Prop Hw
DD57 = Uc400 Ddc Space Temp Ctrl W/Local No
On/Off Hw & Remote Prop Hw
DD58 = Uc400 Ddc Space Temp Ctrl W/No On/Off
Hw & Remote No On/Off Hw
DD59 = Uc400 Ddc Space Temp Ctrl W/Local Nc
On/Off Hw & Remote Nc On/Off Hw
DD60 = Uc400 Ddc Space Temp Ctrl No On/Off
Hw & Remote Nc On/Off Hw
DD61 = Uc400 Ddc Space Temp Ctrl W/Local Nc
On/Off Hw & Remote No On/Off Hw
DD62 = Uc400 Ddc Space Temp Ctrl W/Local
Stgd E-Ht & Remote Stgd E-Heat
DD63 = Uc400 Ddc - Vent Flow W/N.O. On/Off
DD65 = Uc400 Ddc-Ctrl W/Mod Scr
DD66 = Uc400 Ddc-Space Temp Ctrl W/Local Scr
& Remote Stge E-Heat
DD67 = Uc400 Ddc-Vent Flow W/Scr E-Heat
DD71 = Uc210 Ddc Cooling Only
DD72 = Uc210 Ddc Ctrl With N.C. On/Off H.W.
DD73 = Uc210 Ddc Ctrl With Prop. H.W.
DD74 = Uc210 Ddc Ctrl - On/Off E-Heat
DD75 = Uc210 Ddc Ctrl W/Pulse Width Mod
DD76 = Uc210 Ddc Controller - Ventilation Flow
DD77 = Uc210 Ddc Ctrl With N.O. On/Off H.W.
DD79 = Uc210 Ddc Ctrl With Flow Tracking
DD80 = Uc210 Ddc - Vent Flow W/N.C. On/Off
DD81 = Uc210 Ddc - Vent Flow w/ On/Off E-Heat
DD82 = Uc210 Ddc - Vent Flow W/Prop. H.W.
DD83 = Uc210 Ddc Space Temp Ctrl W/ Local
Pwm & Remote Stgd E-Heat
DD84 = Uc210 Ddc Space Temp Ctrl W/Local
Prop Hw & Remote Nc On/Off Hw
DD85 = Uc210 Ddc Space Temp Ctrl W/Local
Prop Hw & Remote No On/Off Hw
DD86 = Uc210 Ddc Space Temp Ctrl W/Local Nc
On/Off Hw & Remote Prop Hw
DD87 = Uc210 Ddc Space Temp Ctrl W/Local No
On/Off Hw & Remote Prop Hw
DD88 = Uc210 Ddc Space Temp Ctrl W/No On/Off
Hw & Remote No On/Off Hw
DD89 = Uc210 Ddc Space Temp Ctrl W/Local Nc
On/Off Hw & Remote Nc On/Off Hw

2 of 4

MODEL NUMBER DESCRIPTION

75011453

REL
A

SINGLE DUCT VARITRANE (VCCF/VCEF/VCWF)
DIGITS 12 TO 29

Example Model Number:

VCWF06000A0PN04A00B00R4VWD0251200A142B4A
1 - - - 5 - - - - 10 - - - - 15 - - - - 20 - - - - 25 - - - - 30 - - - - 35 - - - - 40

Digits 12, 13, 14, 15 – Unit Control (cont.)

DD90 = Uc210 Ddc Space Temp Ctrl No On/Off
Hw & Remote Nc On/Off Hw
DD91 = Uc210 Ddc Space Temp Ctrl W/Local
Nc On/Off Hw & Remote No On/Off Hw
DD92 = Uc210 Ddc Space Temp Ctrl W/Local
Stgd E-Heat & Remote Stgd E-Heat
DD93 = Uc210 Ddc - Vent Flow W/N.O. On/Off
DD95 = Uc210 Ddc-Ctrl W/Mod Scr
DD96 = Uc210 Ddc-Space Temp Ctrl W/Local
Scr & Remote Stge E-Heat
DD97 = Uc210 Ddc-Vent Flow W/Scr E-Heat
VM23 = Ms-Vma1630, Fx-Pcv1630, Or
Fx-Pcv-1615
VM24 = Vma-1620-Ou

Digit 16 – Insulation

A = 1/2" Matt Faced
B = 1" Matt Faced
C = 1/2" Foil Faced
D = 1" Foil Faced
F = Double Wall 1"
G = Closed Cell 3/8"
S = Special

Digits 17, 18 – Not Used

Digit 19 – Outlet Plenum

A = 1 Outlet Right Side
B = 1 Outlet - End
C = 1 Outlet Left Side
D = 1 Outlet Right Side & 1 Outlet End
E = 1 Outlet Left Side & 1 Outlet End
F = 1 Outlet Right Side & 1 Outlet Left Side
H = 3 Outlets, 1 Left, 1 Right, 1 End
J = 4 Outlets, 1 Left, 1 Right, 2 End
S = Special

Digit 20 – Not Used

Digit 21 – Hot Water Coil

1 = 1 Row Hot Water Coil
2 = 2 Row Hot Water Coil
3 = 3 Row Hot Water Coil
4 = 4 Row Hot Water Coil
A = 1 Row Premium Hot Water Coil
B = 2 Row Premium Hot Water Coil
C = 3 Row Premium Hot Water Coil
D = 4 Row Premium Hot Water Coil
S = Special

Digit 22 – Connection Side

L = Left Side Same Coil/Ctrl Connection
R = Right Hand Connection
O = Opposite Side Coil & Ctrl Connections
R = Right Side Same Coil/Ctrl Connection
F = Flippable Electric Heater

Digit 23 – Transformer

1 = 120/24 Volt Transformer (50Va)
2 = 208/24 Volt Transformer (50Va)
3 = 240/24 Volt Transformer (50Va)
4 = 277/24 Volt Transformer (50Va)
5 = 480/24 Volt Transformer (50Va)
6 = 347/24 Volt Transformer (50Va)
7 = 575/24 Volt Transformer (50 Va)
8 = 380/24 Volt Transformer (50 Va)
S = Special

Digit 24 – Disconnect Switch

W = Power Disconnect Switch
S = Special

Digit 25 – Power Fuse

W = With Power Fuse
S = Special

Digit 26 – Electric Heater Voltage

A = 208 Volt 1 Phase Heater
B = 208 Volt 3 Phase Heater
C = 240 Volt 1 Phase Heater
D = 277 Volt 1 Phase Heater
E = 480 Volt 1 Phase Heater
F = 480 Volt 3 Phase Heater
G = 347 Volt 1 Phase Heater
H = 575 Volt 3 Phase Heater
K = 120 Volt 1 Phase Heater
J = 380 Volt 3 Phase Heater
S = Special

Digits 27, 28, 29 – Electric Heater Kw

005 = 0.5 Kw
010 = 1.0 Kw
015 = 1.5 Kw
020 = 2.0 Kw
025 = 2.5 Kw
030 = 3.0 Kw
035 = 3.5 Kw
040 = 4.0 Kw
045 = 4.5 Kw
050 = 5.0 Kw

MODEL NUMBER DESCRIPTION

75011454

REV
A

SINGLE DUCT VARITRANE (VCCF/VCEF/VCFW)
DIGITS 27 TO 40

Example Model Number:

VCWF06000A0PN04A00B00R4VWD0251200A142B4A
1 - - - 5 - - - - 10 - - - - 15 - - - - 20 - - - - 25 - - - - 30 - - - - 35 - - - - 40

Digits 27, 28, 29 – Electric Heater Kw (cont.)

055 = 5.5 Kw	180 = 18.0 Kw
060 = 6.0 Kw	200 = 20.0 Kw
065 = 6.5 Kw	220 = 22.0 Kw
070 = 7.0 Kw	240 = 24.0 Kw
075 = 7.5 Kw	260 = 26.0 Kw
080 = 8.0 Kw	280 = 28.0 Kw
090 = 9.0 Kw	300 = 30.0 Kw
100 = 10.0 Kw	320 = 32.0 Kw
110 = 11.0 Kw	340 = 34.0 Kw
120 = 12.0 Kw	360 = 36.0 Kw
130 = 13.0 Kw	380 = 38.0 Kw
140 = 14.0 Kw	400 = 40.0 Kw
150 = 15.0 Kw	420 = 42.0 Kw
160 = 16.0 Kw	440 = 44.0 Kw
170 = 17.0 Kw	460 = 46.0 Kw

Digit 30 – Electric Heater Stage

- 1 = 1 Stage Of Heat
- 2 = 2 Stages Of Heat
- 3 = 3 Stages Of Heat

Digit 31 – Electric Heater Control

- 1 = 24 Volt Magnetic Contactors
- 2 = 24 Volt Mercury Contactors
- A = (Lh) 24V Mercury Contactors
- B = (Rh) 24V Mercury Contactors
- 3 = Pe W/Magnetic Contactors
- 4 = Pe W/Mercury Contactors
- C = (Lh) Pe W/Mercury Contactors
- D = (Rh) Pe W/Mercury Contactors
- 5 = Scr Heat With Dual Max Off
- 6 = Scr Heat With 24Vdc Supply

Digits 32, 33 – Not Used, Special

Digit 34 – Actuator

- 0 = No Belimo Or Spring Return Actuator
- A = 24 Volt Spring Return Norm Open
- B = 24 Volt Spring Return Norm Closed
- C = Belimo Actuator
- D = Belimo Normally Open
- E = Belimo Normally Closed
- F = Belimo w/Feedback Sig (Non Spring Return)

Digit 35 – Sensor Option

- 0 = Standard - Not Wireless
- 1 = Fm Wireless Receiver/Sensor
- 2 = Wci Receiver Mntd (Wireless Comm Inter)
- 3 = Air - Fi (Tm) Wireless Comm Inter (Fm)

Digit 36 – Factory Mounted Options

- 0 = No Dts Or Hwv Harness
- W = With Factory Mounted Dts
- 1 = Single Point Duct Temp Sensor Installed
- 2 = Hw Valve Harness
- 3 = Both Single Point Dts & Hw Harness
- 4 = 4 Point Duct Temp Sensor Installes
- 5 = Fm Dts Single Point Sensor In Plenum
- 6 = Both Fm Dts In Plenum & Hw Valve Harness

Digit 37 – Bottom Access

- 0 = No Bottom Access
- 1 = Connections On Left
- 2 = Connections On Right
- 3 = Ctrls Conn On Left (Hw Conn On Right)
- 4 = Ctrls Conn On Right (Hw Conn On Left)
- 1 = Connections On Left
- 2 = Connections On Right
- 3 = Ctrls Conn On Left (Hw Conn On Right)
- 4 = Ctrls Conn On Right (Hw Conn On Left)

Digit 38 – Piping Package

- 0 = None (No Piping Package)
- A = 2-Way Automatic Balancing
- B = 3-Way Automatic Balancing

Digit 39 – Water Valve

- 0 = None (No Water Valve)
- 1 = Proportional, Hw Valve, 0.7 Cv
- 2 = Proportional, Hw Valve, 2.7 Cv
- 3 = Proportional, Hw Valve, 6.6 Cv
- 4 = Proportional, Hw Valve, 8.0 Cv

Digit 40 – Flow Rate

- 0 = None
- A = 0.5 Gpm
- B = 1 Gpm
- C = 1.5 Gpm
- D = 2 Gpm
- E = 2.5 Gpm
- F = 3 Gpm
- G = 3.5 Gpm
- H = 4 Gpm
- J = 4.5 Gpm
- K = 5 Gpm
- L = 5.5 Gpm
- M = 6 Gpm
- N = 6.5 Gpm
- P = 7 Gpm
- Q = 7.5 Gpm
- R = 8 Gpm
- S = 9 Gpm
- T = 10 Gpm
- U = 11 Gpm
- V = 12 Gpm
- W = 13 Gpm
- X = 14 Gpm
- Y = 15 Gpm
- Z = 16 Gpm
- 1 = 17 Gpm
- 2 = 18 Gpm
- 3 = 19 Gpm
- 4 = 20 Gpm
- 5 = 17 Gpm
- 6 = 22 Gpm
- 7 = 23 Gpm

