TFD215-260ALAH
TFD145-245ALFR
TFD14D-24DALFR

TRANE CleanEffects™ Whole House Air Cleaner

Specifications: Air Handler – 24 Volt TRANE CleanEffects™ Whole House Air Cleaner

Model Number	Airflow Range	TRANE CleanEffects™ Air Handler Width	Uncrated Dimensions(in.)			Mfg. Plant	Shipping Weight
			H	W	D		
TFD215ALAH000B	300-1200	211/2 inch	7.5	21.5	21	VI	42
TFD235ALAH000B	350-1600	231/2 inch	7.5	23.5	21	VI	44
TFD260ALAH000B	400-2000	26 inch	7.5	26	21	VI	46

Specifications: Upflow / Side Return Furnace – 24 Volt TRANE CleanEffects™ Whole House Air Cleaner

Model Number	Airflow Range	TRANE CleanEffects™ Air Handler Width	Uncrated Dimensions(in.)			Mfg. Plant	Shipping Weight
			H	W	D		
TFD145ALFR000B	300-1200	141/2 inch①	7.5	14.5	27	VI	39
TFD175ALFR000B	300-1600	171/2 inch①	7.5	17.5	27	VI	43
TFD210ALFR000B	300-2000	21 inch②	7.5	21	27	VI	47
TFD245ALFR000B	400-2000	241/2 inch②	7.5	24.5	27	VI	49

① Side return, no transition required.
② Side return, transition required.

Specifications: Downflow Furnace – 24 Volt TRANE CleanEffects™ Whole House Air Cleaner
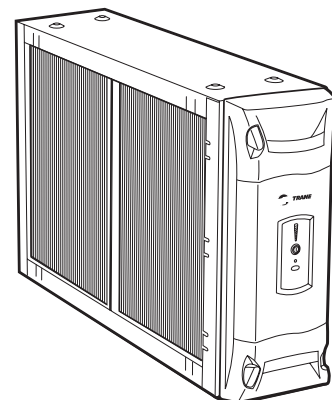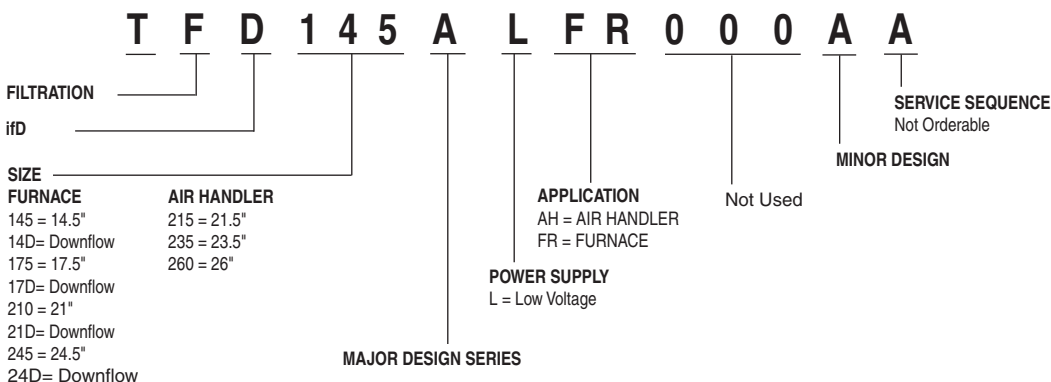
Model Number	Airflow Range	TRANE CleanEffects™ Air Handler Width	Uncrated Dimensions(in.)			Mfg. Plant	Shipping Weight
			H	W	D		
TFD14DALFR000B	300-1200	141/2 inch	7.5	14.5	21	VI	33
TFD17DALFR000B	300-1600	171/2 inch	7.5	17.5	21	VI	37
TFD21DALFR000B	300-2000	21 inch	7.5	21	21	VI	41
TFD24DALFR000B	400-2000	241/2 inch	7.5	24.5	21	VI	45

Accessories:

Model Number	Description	Used With	Mfg. Plant	Shipping Weight
BAYTRANS12024	120 to 24 Volt Transformer	All TFD Air Cleaners	VI	6

Features:

- **TRANE CleanEffects™** removes up to 99.98% of allergens from the filtered air
- Removes particles down to .1 micron in size
- Outperforms HEPA, and up to 100 times more effective than a standard 1" filter
- Constructed of heavy 18 gage metal to protect the filter and internal electronics

- Power door provides easy access to internal components and features a filter status display as well as safety interlocks that automatically shut down the power when the door is opened for maintenance or cleaning
- Designed for flush fit on both sides and rear of equipment cabinet

- No transitions required on **TRANE CleanEffects™** applications
- Gaskets come with the air cleaner to seal out unwanted air
- 24 Volt input power
- **10-year electronics warranty**
- **5-year parts warranty**

T F D 1 4 5 A L F R 0 0 0 A A

FILTRATION

ifD

SIZE

FURNACE	AIR HANDLER
145 = 14.5"	215 = 21.5"
14D= Downflow	235 = 23.5"
175 = 17.5"	260 = 26"
17D= Downflow	
210 = 21"	
21D= Downflow	
245 = 24.5"	
24D= Downflow	

MAJOR DESIGN SERIES

POWER SUPPLY
L = Low Voltage

APPLICATION
AH = AIR HANDLER
FR = FURNACE

Not Used

SERVICE SEQUENCE
Not Orderable

MINOR DESIGN

Specifications: Air Handler - 24 Volt TRANE CleanEffects™ Whole House Upgrade Kit

Model Number	Airflow Range	Perfect Fit™ Cabinet Width	Mfg. Plant	Shipping Weight
TFD215ALUPGRDA	300-1200	21-1/2 inch	VI	38
TFD235ALUPGRDA	350-1600	23-1/2 inch	VI	40
TFD260ALUPGRDA	400-2000	26 inch	VI	42

Specifications: Upflow / Side Return Furnace - 24 Volt TRANE CleanEffects™ Whole House Upgrade Kit

Model Number	Airflow Range	Perfect Fit™ Cabinet Width	Mfg. Plant	Shipping Weight
TFD145ALUPGRDA	300-1200	14-1/2 inch①	VI	35
TFD175ALUPGRDA	300-1600	17-1/2 inch①	VI	39
TFD210ALUPGRDA	300-2000	21 inch②	VI	43
TFD245ALUPGRDA	400-2000	24-1/2 inch②	VI	45

① Side return, no transition required.
② Side return, transition required.

Specifications: Downlow Furnace - 24 Volt TRANE CleanEffects™ Whole House Upgrade Kit
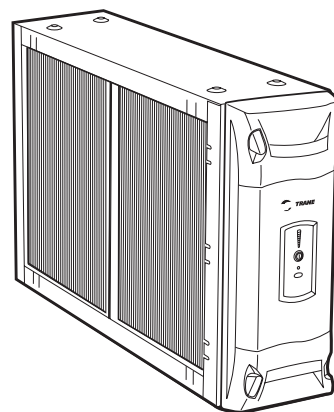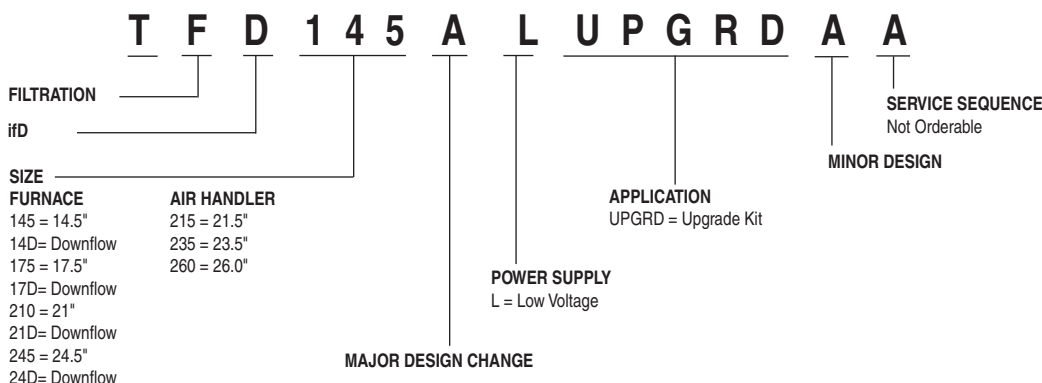
Model Number	Airflow Range	Perfect Fit™ Cabinet Width	Mfg. Plant	Shipping Weight
TFD14DALUPGRDA	300-1200	14-1/2 inch	VI	29
TFD17DALUPGRDA	300-1600	17-1/2 inch	VI	33
TFD21DALUPGRDA	300-2000	21 inch	VI	37
TFD24DALUPGRDA	400-2000	24-1/2 inch	VI	41

Accessories:

Model Number	Description	Used With	Mfg. Plant	Shipping Weight
BAYTRANS12024	120 to 24 Volt Transformer	All TFD Air Cleaners	VI	6

Features:

- **TRANE CleanEffects™** removes up to 99.98% of allergens from the filtered air
- Removes particles down to .1 micron in size
- Outperforms HEPA, and up to 100 times more effective than a standard 1" filter
- Constructed of heavy 18 guage metal to protect the filter and internal electronics
- Fits any **Perfect Fit™** Air Cleaner cabinet

- Easily convert **Perfect Fit™**, TFP, TFM or TFE product to **TRANE CleanEffects™** Air Cleaner
- Power door provides easy access to internal components and features a filter status display as well as safety interlocks that automatically shut down the power when the door is opened for maintenance or cleaning
- Designed for flush fit on both sides and rear of equipment cabinet

- No transitions required on **TRANE CleanEffects™** applications
- Gaskets come with the air cleaner to seal out unwanted air
- 24 Volt input power
- **10-year electronics warranty**
- **5-year parts warranty**

T F D 1 4 5 A L U P G R D A A

FILTRATION

ifD

SIZE
FURNACE
145 = 14.5"
14D= Downflow
175 = 17.5"
17D= Downflow
210 = 21"
21D= Downflow
245 = 24.5"
24D= Downflow

AIR HANDLER
215 = 21.5"
235 = 23.5"
260 = 26.0"

POWER SUPPLY
L = Low Voltage

MAJOR DESIGN CHANGE

APPLICATION
UPGRD = Upgrade Kit

MINOR DESIGN

SERVICE SEQUENCE
Not Orderable

TRANE®

It's Hard To Stop A Trane.®

TFE145-245A9FR
TFE215-260A1AH

Perfect Fit™ Electronic Air Cleaner

Specifications: Perfect Fit™ Dual Filtration Electronic Air Cleaner - Furnace - 120 Volt

Model Number	Airflow Range	Perfect Fit™ Furnace Width	Uncrated Dimensions(in.)			Mfg. Plant	Shipping Weight
			H	W	D		
TFE145A9FR3	300-1200	14-1/2 inch①	7.5	14.5	27	TR	44
TFE175A9FR3	300-1500	17-1/2 inch①	7.5	17.5	27	TR	48
TFE210A9FR3	300-2000	21 inch②	7.5	21	27	TR	54
TFE245A9FR3	400-2200	24-1/2 inch②	7.5	24.5	27	TR	60

Specifications: Perfect Fit™ Dual Filtration Electronic Air Cleaner - Air Handlers - 240 Volt

Model Number	Airflow Range	Perfect Fit™ Air Handler Width	Uncrated Dimensions(in.)			Mfg. Plant	Shipping Weight
			H	W	D		
TFE215A1AH3	300-1400	21-1/2 inch	7.5	21.5	21	TR	45
TFE235A1AH3	300-1800	23-1/2 inch	7.5	23.5	21	TR	49
TFE260A1AH3	400-2100	26 inch	7.5	26	21	TR	53

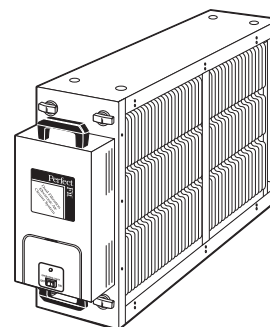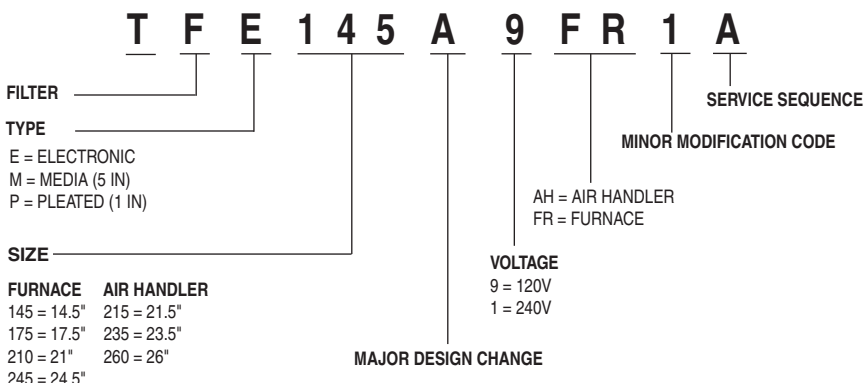① Side return, no transition required.
② Side return, transition required.

Specifications: Perfect Fit™ Dual Filtration Electronic Air Cleaner - Air Handlers - 120 Volt

Model Number	Airflow Range	Perfect Fit™ Air Handler Width	Uncrated Dimensions(in.)			Mfg. Plant	Shipping Weight
			H	W	D		
TFE215A9AH3	300-1400	21-1/2 inch	7.5	21.5	21	TR	45
TFE235A9AH3	300-1800	23-1/2 inch	7.5	23.5	21	TR	49
TFE260A9AH3	400-2100	26 inch	7.5	26	21	TR	53

Features:

- No transitions required for **Perfect Fit™** applications. Three sizes allow flush fit with Air Handlers and four sizes allow flush fit bottom return on Furnaces. This allows for easy installation in tight spaces. The TF*175 (171/2") model can be used for a **Perfect Fit™** side return on Furnace models
- Cabinet case versatility provides three levels of air filtration. All enclosures will accept 1 inch filters, 5 inch filters, or the Electronic Air Cleaner cells. Easily upgrade the media to an electronic model
- Painted cabinet matches Furnace/Air Handler to enhance matched system appearance
- Can be easily converted to **TRANE CleanEffects™** Whole House Technology with Upgrade Kit listed on page IC-2

- **Air-Tite™** construction eliminates air leaks, improves air quality and helps keep operating costs low. Gasket is provided to seal air cleaner to indoor unit, keeping out unconditioned and unfiltered air
- Heavy duty 18 gauge cabinet construction supports Furnace/Air Handler weight. All hardware included
- Factory installed air flow sensor on all Electronic Air Cleaners models. No additional "Power ON" relay or field installed accessory required
- Fully regulated, solid – state, power supply maintains the collection voltage at its peak, regardless of the input voltage. Soft start brings the collection voltage up gradually - thus reducing the popping noise on start-up
- Three voltage selections for reducing ozone levels

- OFF/ON switch and operation light tells if the air cleaner is on and when high voltage to the cells is present
- Electronic Air Cleaners for Furnaces use a 120 volt, internally fused, power supply
- Internally fused power supply for Air Handlers use the Air Handler 240 volt power. No additional electrical circuit is required. A 120 volt, internally fused, power supply model for Air Handlers also available
- All service and access is from the front of the Electronic Air Cleaners
- Low pressure drop and high dust holding capacity for media models. Designed to deliver the required system air flow

T F E 1 4 5 A 9 F R 1 A

FILTER

TYPE
E = ELECTRONIC
M = MEDIA (5 IN)
P = PLEATED (1 IN)

SIZE

FURNACE	AIR HANDLER
145 = 14.5"	215 = 21.5"
175 = 17.5"	235 = 23.5"
210 = 21"	260 = 26"
245 = 24.5"	

MAJOR DESIGN CHANGE

VOLTAGE
9 = 120V
1 = 240V

AH = AIR HANDLER
FR = FURNACE

MINOR MODIFICATION CODE

SERVICE SEQUENCE

Specifications: With 1 inch Medium Efficiency Pleated Filter - Furnace

Model Number	Airflow Range	Perfect Fit™ Furnace Width	Uncrated Dimensions(in.) H	W	D	Mfg. Plant	Shipping Weight
TFP145A0FR1	300-1200	14-1/2 inch①	7.5	14.5	27	VI	17
TFP175A0FR1	300-1500	17-1/2 inch①	7.5	17.5	27	VI	19
TFP210A0FR1	400-1800	21 inch②	7.5	21.0	27	VI	22
TFP245A0FR1	400-2000	24-1/2 inch②	7.5	24.5	27	VI	25

Specifications: With 5 inch Expandable High Efficiency Media Filter - Upflow Furnaces

Model Number	Airflow Range	Perfect Fit™ Furnace Width	Uncrated Dimensions(in.) H	W	D	Mfg. Plant	Shipping Weight
TFM145**B**0FR0	300-1200	14-1/2 inch①	7.5	14.5	27	VI	18
TFM175**B**0FR0	300-1500	17-1/2 inch①	7.5	17.5	27	VI	21
TFM210**B**0FR0	300-2000	21 inch②	7.5	21.0	27	VI	24
TFM245**B**0FR0	400-2000	24-1/2 inch②	7.5	24.5	27	VI	27

① Side return, no transition required.
② Side return, transition required.

Specifications: With 5 inch Cartridge High Efficiency Media Filter - Downflow Furnaces

Model Number	Airflow Range	Perfect Fit™ Furnace Width	Uncrated Dimensions(in.) H	W	D	Mfg. Plant	Shipping Weight
TFM14**D**A0FR0	300-1200	14-1/2 inch	7.5	14.5	21	VI	15
TFM17**D**A0FR0	300-1500	17-1/2 inch	7.5	17.5	21	VI	18
TFM21**D**A0FR0	300-2000	21 inch	7.5	21.0	21	VI	21
TFM24**D**A0FR0	400-2000	24-1/2 inch	7.5	24.5	21	VI	24

Features:

• No transitions required for **Perfect Fit™** applications. Four sizes allow flush fit bottom return on Furnaces. This allows for easy installation in tight spaces. The TF*175 (171/2") model can be used for a **Perfect Fit™** side return on furnace models.

• Cabinet case versatility provides three levels of air filtration. All enclosures will accept 1 inch filters, 5 inch filters, or the Electronic Air Cleaner cells.

• Painted cabinet matches Furnace/Air Handler to enhance matched system appearance.

• Can be easily converted to **TRANE CleanEffects™** Whole House technology with Upgrade Kit listed on page IC-2

• **Air-Tite™** construction eliminates air leaks, improves air quality and helps keep operating costs low. Gasket is provided to seal air cleaner to indoor unit, keeping out unconditioned and unfiltered air.

• Heavy duty 18 gauge cabinet construction supports Furnace/Air Handler weight. All hardware included.

• Low pressure drop and high dust holding capacity for media models. Designed to deliver the required system air flow.

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TF(P/M)215-260

***Perfect Fit™
Filter
Enclosures***

Specifications: With 1 inch Medium Efficiency Pleated Filter - Air Handlers

Model Number	Airflow Range	Perfect Fit™ Air Handler Width	Uncrated Dimensions(in.)			Mfg. Plant	Shipping Weight
			H	W	D		
TFP215A0AH1	300-1200	21-1/2 inch	7.5	21.5	21	VI	20
TFP235A0AH1	300-1500	23-1/2 inch	7.5	23.5	21	VI	22
TFP260A0AH1	400-1800	26 inch	7.5	26.0	21	VI	24

Specifications: With 5 inch Expandable High Efficiency Media Filter - Air Handlers

Model Number	Airflow Range	Perfect Fit™ Air Handler Width	Uncrated Dimensions(in.)			Mfg. Plant	Shipping Weight
			H	W	D		
TFM215**B**0AH0	300-1400	21-1/2 inch	7.5	21.5	21	VI	22
TFM235**B**0AH0	300-1700	23-1/2 inch	7.5	23.5	21	VI	24
TFM260**B**0AH0	400-2100	26 inch	7.5	26.0	21	VI	25

Features:

- No transitions required for **Perfect Fit™** applications. Three sizes allow flush fit with Air Handlers. This allows for easy installation in tight spaces.
- Cabinet case versatility provides three levels of air filtration. All enclosures will accept 1 inch filters, 5 inch filters, or the Electronic Air Cleaner cells. Easily upgrade the media to an electronic model.
- Painted cabinet matches Furnace/Air Handler to enhance matched system appearance.

- Can be easily converted to **TRANE CleanEffects™** Whole House Technology with Upgrade Kit listed on page IC-2
- **Air-Tite™** construction eliminates air leaks, improves air quality and helps keep operating costs low. Gasket is provided to seal air cleaner to indoor unit, keeping out unconditioned and unfiltered air.
- Heavy duty 18 gauge cabinet construction supports Furnace/Air Handler weight. All hardware included.

- Low pressure drop and high dust holding capacity for media models. Designed to deliver the required system air flow.

Accessories: Furnace Enclosure Filters

Model Number	Description	Qty	Enclosure Used with	Mfg. Plant	Shipping Weight
BAYFTFR14P4	1" Pleated Filter	4 / Box	14-1/2	TR	3
BAYFTFR17P4	1" Pleated Filter	4 / Box	17-1/2	TR	3
BAYFTFR21P4	1" Pleated Filter	4 / Box	21	TR	3
BAYFTFR24P4	1" Pleated Filter	4 / Box	24-1/2	TR	3
BAYFTFR14M2	5" Cartridge Media Filter	2 / Box	14-1/2	TR	5
BAYFTFR17M2	5" Cartridge Media Filter	2 / Box	17-1/2	TR	5
BAYFTFR21M2	5" Cartridge Media Filter	2 / Box	21	TR	5
BAYFTFR24M2	5" Cartridge Media Filter	2 / Box	24-1/2	TR	6
BAYFRAME145	5" Media Filter Frame	1 / Box	14-1/2	TR	5
BAYFRAME175	5" Media Filter Frame	1 / Box	17-1/2	TR	5
BAYFRAME210	5" Media Filter Frame	1 / Box	21	TR	5
BAYFRAME245	5" Media Filter Frame	1 / Box	24-1/2	TR	6
BAYFTFREXM2	5" Expandable Media for Frames	2 / Box	14-1/2 - 24-1/2	TR	6

Accessories: Air Handler Enclosure Filters

Model Number	Description	Qty	Enclosure Used with	Mfg. Plant	Shipping Weight
BAYFTAH21P4	1" Pleated Filter	4 / Box	21-1/2	TR	3
BAYFTAH23P4	1" Pleated Filter	4 / Box	23-1/2	TR	3
BAYFTAH26P4	1" Pleated Filter	4 / Box	26	TR	3
BAYFTAH21M2	5" Cartridge Media Filter	2 / Box	21-1/2	TR	5
BAYFTAH23M2	5" Cartridge Media Filter	2 / Box	23-1/2	TR	5
BAYFTAH26M2	5" Cartridge Media Filter	2 / Box	26	TR	6
BAYFRAME215	5" Media Filter Frame	1 / Box	21-1/2	TR	5
BAYFRAME235	5" Media Filter Frame	1 / Box	23-1/2	TR	5
BAYFRAME260	5" Media Filter Frame	1 / Box	26	TR	6
BAYFTAHEXM2	5" Expandable Media for Frames	2 / Box	21-1/2 - 26	TR	5

Accessories: 1" Permanent - Washable Filter (Ordered through Parts)

Replacement Part Numbler	Previous Model Number	Description	Enclosure Used with
FLR03831	BAYFTFR14W1A	1" PERMANENT-Washable	14-1/2
FLR03832	BAYFTFR17W1A	1" PERMANENT-Washable	17-1/2
FLR03833	BAYFTFR21W1A	1" PERMANENT-Washable	21
FLR03834	BAYFTFR24W1A	1" PERMANENT-Washable	24-1/2
FLR03835	BAYFTAH21W1A	1" PERMANENT-Washable	21-1/2
FLR03836	BAYFTAH23W1A	1" PERMANENT-Washable	23-1/2
FLR03837	BAYFTAH26W1A	1" PERMANENT-Washable	26

B A Y F T F R 1 7 M 2 A

BUSINESS UNIT

ACCESSORY

FILTER

AH = AIR HANDLER
FR = FURNACE

SIZE
14 IN 23 IN
17 IN 24 IN
21 IN 26 IN

TYPE
M = MEDIA (5 IN)
P = PLEATED (1 IN)
W=PERMANENT-Washable (1 IN)

QUANTITY
D = DOZEN

DESIGN SEQUENCE

1	2 3 4	5	6 7 8	9	10	11	12 13	14	15
T	E R V	R	1 0 0	A	9	P	0 0	A	A

Brand
Trane

Product Type
ERV = Energy Recovery Ventilator

Feature Tier
B = Future
R = PSC Blower/PT Control
X = Future

Model Family (Nominal Airflow)
100 = 130 cfm
200 = 200 cfm
300 = 300 cfm

Major Design Modification

Power Supply
1 = 115 v/1 ph/60 hz

Type of Defrost
P = Passive

Open

Minor Design Change

Service Digit

TERVR100A9P00A
TERVR200A9P00A
TERVR300A9P00A

FreshEffects™ Energy Recovery Ventilator (ERV)

TRANE®

It's Hard To Stop A Trane.®

Specifications: ERV

Model Number	Nominal Airflow (CFM)	Power Supply	Uncrated Dimensions (In.)			Mfg Plant	Shipping Weight
			H	W	D		
TERVR100A9P00A①	130	120/1/60	20-1/8	28-3/4	13	TY	58
TERVR200A9P00A①	200	120/1/60	20-1/8	28-3/4	23-7/8	TY	80
TERVR300A9P00A①	300	120/1/60	20-1/8	28-3/4	23-7/8	TY	88

① Percent Timer Control included with the ERV.

Specifications: ERV

Model Number	Apparent Sensible Effectiveness(32°F)	Sensible Recovery Effectiveness(32°F)	Latent Recovery (32°F)	Total Recovery (32°F)
TERVR100A9P00A	80% @ 120 cfm	84% @ 120 cfm	73% @ 251 cfm	51% @ 63 cfm
TERVR200A9P00A	72% @ 120 cfm	77% @ 120 cfm	64% @ 251 cfm	59% @ 63 cfm
TERVR300A9P00A	44% @ 120 cfm	63% @ 120 cfm	40% @ 251 cfm	31% @ 252 cfm

Optional Accessories:

Model Number	Description	Used With	Mfg. Plant	Shipping Weight
TCONTV10APBC0A	Point of Use Push Button Control	ERV models 100, 200, 300	TY	1
BAYFLT10A1010A	Filters - 2 per pack	ERV models 100	TY	1
BAYFLT20A1020A	Filters - 2 per pack	ERV models 200, 300	TY	1
BAYWHT10AVENTA②	6 inch White Vinyl Ventilation Hood	ERV models 100, 200	TY	1
BAYBRN10AVENTA②	6 inch Brown Vinyl Ventilation Hood	ERV models 100, 200	TY	1
BAYGLV10AVENTA②	8 inch Galvenized Ventilation Hood	ERV models 300	TY	2

② Qty 1.

Features:

- **FreshEffects™** ERV technology for all seasons and climates
- Static plate energy transfer core for efficient transfer of heat and moisture
- Passive defrost - condensate drain not required
- Still fan curve - balancing dampers not required
- Multi position mounting
- Percent Timer (PT) control included with ERV for simple, automatic operation
- Optional push button control for use with PT control
- Cam action door latches for quick service access
- Heavy gauge, powder painted steel cabinet
- Permanently lubricated motor bearings (ball bearings)

- 6" and 8" double collar duct connections for TERVR100 and 200
- 8" round compatible duct connection for TERVR300
- Closed cell foam gasketing for insulation integrity
- 1" duct board insulation with cleanable foil face
- May be installed in conditioned and unconditioned spaces
- Cabinet / Door color: Trane Polyslate Gray / Tarpaulin Gray
- **5-year limited warranty on parts**
- **10-year limited warranty on energy transfer core**
- **Optional extended warranty**
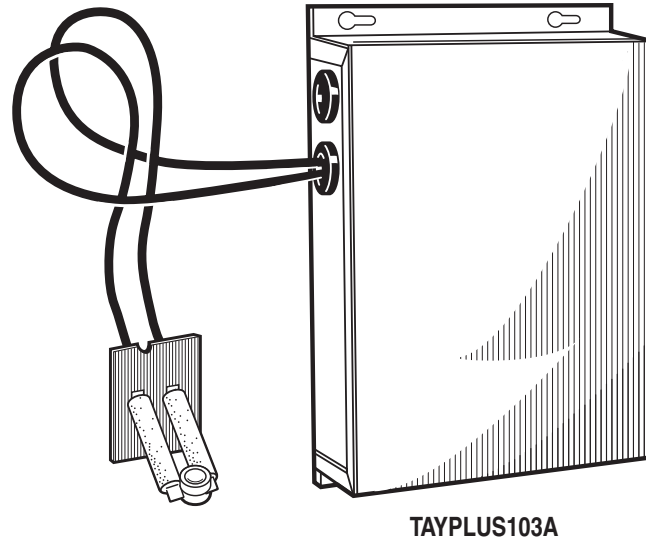
Specifications: +1 Add-On Heat Pump Control Kit

Model Number	Description	Used With	Mfg. Plant	Shipping Weight
TAYPLUS103A	Heat Pump Control Kit	Gas, Oil & Electric Furnaces	TY	3
TAYSTAT250B	Outdoor Thermostat	TAYPLUS103A for Restricted Mode	TY	1
THT1248	Bonnet Switch	Oil Furnaces Only	①	1

① Order From Service Parts.

Features:

+1 Heat Pump Control Kit

- Electrically connect Heat Pumps with oil, gas, propane or electric furnaces
- TAYPLUS103A applicable to all furnaces with 35VA or larger low voltage transformer. Separate high voltage power not required
- UL listed
- Labeled terminal board for simplified wiring
- Furnace warms air during defrost
- Factory shipped for UNRESTRICTED MODE
- Adjustable TAYSTAT250B outdoor thermostat required for RESTRICTED MODE
- Easy to install; no refrigerant connections

TAYPLUS103A

Ref: 4/29/08 2:22 pm

TRANE
It's Hard To Stop A Trane.

THUMD500A
THUMD300A
THUMD200A

*Humidifiers
Fan Powered
and Bypass*

Specifications: Humidifier with Humidistat

Model Number	Description	Used With	Mfg. Plant	Shipping Weight
THUMD500APA00A①④	Fan Powered Humidifer	All Furnace Models	TY	20
THUMD300ABA00A②	Large Bypass Humidifier	All Furnace Models	TY	15
THUMD200ABM00A③	Small Bypass Humidifier	All Furnace Models	TY	14

① Includes Automatic Humidifier Control (duct mount only).
② Includes Automatic Humidifier Control (duct mount only) and 120/24V transformer.
③ Includes Manual Humidifier Control and 120/24V transformer.
④ Not applicable for horizontal installations.

Accessories:

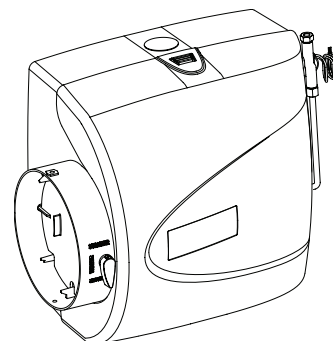| Model Number	Description	Used With	Mfg. Plant	Shipping Weight
BAYPAD02A1310A	Large Humidifier Pad 13" x 10"	THUMD500,300A	TY	1
BAYPAD01A1010A	Smalll Humidifier Pad 9-7/8" x 9-5/8"	THUMD200A	TY	1
TCONTH01AAUTOA	Automatic Humidifier Control	THUMD200A	TY	1
BAYRLY10ASENSA	Current Sensing Relay	All	TY	1
BAYPLT01AMHC0A	Adapter Plate (Duct Mount)	Manual Humidifier Control	TY	1

Features: THUMD500A

- Flow through fan powered humidifier
- High performance humidifier delivers up to 18 gallons per day
- Humidifies an average home of up to 2100 sqft
- Automatic humidifier control with O.D. sensor for up to 50% more humidity
- Front cover access for easy replacement of humidifier pad.
- Aluminum humidifier pad treated with ceramic clay for enhanced pad performance
- Reliable brass solenoid valve w/stainless steel valve seat
- UV resistant cabinet and scale control insert
- Saddle valve
- Polyslate gray housing matches furnace cabinet color
- 120V power line cord

THUMD500A

Features: THUMD200,300A

- THUMD300A bypass delivers up to 17 gallons per day
- THUMD200A delivers up to 12 gallons per day.
- THUMD300A automatic humidifier control and O.D. sensor for up to 50% more humidity
- THUMD200A manual humidifier control
- UV resistant cabinet and scale control Insert
- Front cover access for easy replacement of humidifier pad.
- Aluminum humidifier pad treated with ceramic clay for enhanced pad performance
- Reliable Brass solenoid valve w/stainless steel valve seat
- Field convertible duct connection,left or right side
- Built in summer / winter damper
- UV resistant cabinet and scalecontrol Insert
- Saddle valve
- Polyslate gray housing matches furnace cabinet color
- 24/120 V transformer

THUMD200A

Effective date: June 3, 2008

Specifications: Brazed — Insulated Pipe

Model Number	Gas Line Dia. O.D.	Gas Line 90° Bend	Liquid Line Dia. O.D.	Liquid Line Length	Tonages with R-22	Tonages with R-410A	Mfg. Plant	Shipping Weight
TAYREFLN125	5/8	One end	1/4	25	1 & 1-1/2		TY	13
TAYREFLN130	5/8	One end	1/4	30	1 & 1-1/2		TY	15
TAYREFLN140	5/8	One end	1/4	40	1 & 1-1/2		TY	20
TAYREFLN150	5/8	One end	1/4	50	1 & 1-1/2		TY	28
TAYREFLN225	3/4	One end	5/16	25	2 & 2-1/2	2-1/2	TY	15
TAYREFLN230	3/4	One end	5/16	30	2 & 2-1/2	2-1/2	TY	18
TAYREFLN240	3/4	One end	5/16	40	2 & 2-1/2	2-1/2	TY	23
TAYREFLN250	3/4	One end	5/16	50	2 & 2-1/2	2-1/2	TY	32
TAYREFLN325	7/8	One end	3/8	25	3 & 3-1/2	4 & 5	TY	20
TAYREFLN330	7/8	One end	3/8	30	3 & 3-1/2	4 & 5	TY	24
TAYREFLN340	7/8	One end	3/8	40	3 & 3-1/2	4 & 5	TY	30
TAYREFLN350	7/8	One end	3/8	50	3 & 3-1/2	4 & 5	TY	39
TAYREFLN425	1-1/8①	One end	3/8	25	4, 5, & 6		TY	20
TAYREFLN430	1-1/8①	One end	3/8	30	4, 5, & 6		TY	24
TAYREFLN440	1-1/8①	One end	3/8	40	4, 5, & 6		TY	30
TAYREFLN450	1-1/8①	One end	3/8	50	4, 5, & 6		TY	39
TAYREFLN550	1/2	One end	1/4	50		1 & 1-1/2	TY	26
TAYREFLN625	5/8	One end	5/16	25		2	TY	15
TAYREFLN630	5/8	One end	5/16	30		2	TY	17
TAYREFLN640	5/8	One end	5/16	40		2	TY	22
TAYREFLN650	5/8	One end	5/16	50		2	TY	29
TAYREFLN725	3/4	One end	3/8	25		3 & 3-1/2	TY	19
TAYREFLN730	3/4	One end	3/8	30		3 & 3-1/2	TY	22
TAYREFLN740	3/4	One end	3/8	40		3 & 3-1/2	TY	28
TAYREFLN750	3/4	One end	3/8	50		3 & 3-1/2	TY	35

① Gas line is 7/8 O.D. but expanded out to 1-1/8 on the ends.
Note: Contains a holding charge of Nitrogen.
*Gas line insulation 3/8" thickness.

Specifications:

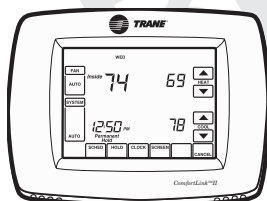| Model Number	Description	Used With	Mfg. Plant	Shipping Weight
TCONT900AC43UA	**XL900** Communicating, Prog., 7Day, 4Htg/2Clg	All Comm. Cooling / Heat Pump	TY	1
BAYTAM00AC00UA	Communicating Telephone Access Module	TCONT900AC43UA	TY	2
TCONT800AS11AA	**XL800** Prog., 7Day, 1Htg/1Clg	All Cooling / Heat Pump	TY	1
TCONT802AS32DA	**XL802** Prog., 7Day, 3Htg/2Clg	All Cooling / Heat Pump	TY	1
TCONT803AS32DA	**XL803** Prog.,7Day,3H/2C w/dehumidification	All Cooling / Heat Pump	TY	1
BAYSEN02ATEMPA	Outdoor Temperature Sensor	TCONT800A,802A,803A	TY	1
ZZSENSAL0800AA	Indoor Temperature Sensor	TCONT800A,802A,803A	TY	1
BAYCOVR600A	Wall Cover Plate **XL800,2,3**	TCONT800A,802A,803A	TY	1
TCONT600AF11MA	**XL600** Prog., 5/1/1Day, 1Htg/1Clg	All Cooling/Heat Pump	TY	1
TCONT602AF22MA	**XL602** Prog., 5/1/1Day, 2Htg/2Clg	All Cooling/Heat Pump	TY	1
BAYCOVR700A	Wall Cover Plate **XL600,2**	TCONT600A,602A	TY	1
TCONT401AN21MA	**XR401** Electronic, 2 Htg/1 Clg (Non Prog.)	All Cooling/Heat Pump	TY	1
TCONT402AN32DA	**XR402** Electronic, 3 Htg/2 Clg (Non Prog.)	All Cooling/Heat Pump	TY	1
ZZSENSAL0400AA	Indoor Temperature Sensor	TCONT402AN32DA	TY	1
BAYSEN01ATEMPA	Outdoor Temp. Sensor	TCONT401,402	TY	1
TCONT200AN11AA	**XB200** Electronic, 1Htg/1Clg (Non Prog.)	All Cooling/Gas Models	TY	1
AY28X092	Heat/Cool (Horizontal) Therm.	All Cooling Models	TY	2
BAY28X182①	1-Stage Htg./Clg. Therm.	All Cooling Models	TY	1
BAY28X183①	2-Stage Htg./Clg. Therm.	All Cooling Models	TY	1
BAY28X184②	Subbase Auto/Manual Changeover	BAY28X183	TY	1
BAY28X185③	Subbase Man. Changeover (E.H.)	BAY28X182,183	TY	1
TAYSTAT241	Manual 2Htg/1Clg	2-Stage Gas/Electric	TY	1
BAYSTAT305	Heat/Cool Vertical	All Cooling Models	TY	1
BAYSTAT008②	Man. 1-Stage Htg./1 Clg.	All Cooling Models	CK	1
BAYSTAT253A	Humidity Control	All Cooling Models	TY	1
BAY24X042②	DPDT Fan and Electric Heat Relay	See note②	TY	1
BAY28X190	Locking Thermostat Cover	Room Thermostats	TY	2
TAYSTAT250B	Outdoor Thermostat	Split System Models	TY	4
BAYSTAT033A	Outdoor Thermostat	Packaged Models	TY	4

A/M = Automatic or Manual Changeover
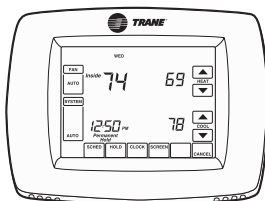① Requires subbase
② Requires BAY24X042 relay when used with electric heaters.
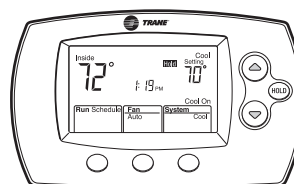③ Specially designed for electric heater applications (instant on fan).
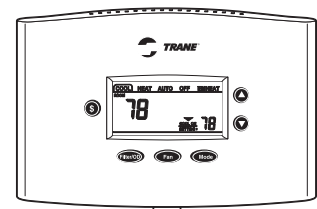④ Requires BAY24X042 relay when used with oil furnace.

TCONT900AC

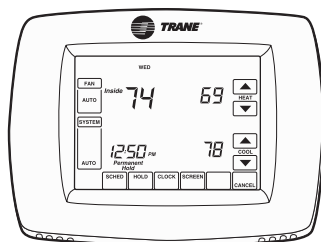**TCONT800A,802A,803A**

TCONT600A,602A

TCONT402AN32DA

Ref: 9/22/08 9:00 am

Specifications:

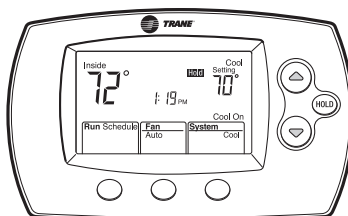| Model Number	Description	Used With	Mfg. Plant	Shipping Weight
TCONT800AS11AA	**XL800** Prog., 7Day, 1Htg/1Clg	All Cooling / Heat Pump	TY	1
TCONT802AS32DA	**XL802** Prog., 7Day, 3Htg/2Clg	All Cooling / Heat Pump	TY	1
TCONT803AS32DA	**XL803** Prog.,7Day,3H/2C w/dehumidification	All Cooling / Heat Pump	TY	1
BAYSEN02ATEMPA	Outdoor Temperature Sensor	TCONT800A,802A,803A	TY	1
ZZSENSAL0800AA	Indoor Temperature Sensor	TCONT800A,802A,803A	TY	1
BAYCOVR600A	Wall Cover Plate **XL800,2,3**	TCONT800A,802A,803A	TY	1
TCONT600AF11MA	**XL600** Prog., 5/1/1Day, 1Htg/1Clg	All Cooling/Heat Pump	TY	1
TCONT602AF22MA	**XL602** Prog., 5/1/1Day, 2Htg/2Clg	All Cooling/Heat Pump	TY	1
BAYCOVR700A	Wall Cover Plate **XL600,2**	TCONT600A,602A	TY	1
TCONT402AN32DA	**XR402** Electronic, 3 Htg/2 Clg (Non Prog.)	All Cooling/Heat Pump	TY	1
ZZSENSAL0400AA	Indoor Temperature Sensor	TCONT402AN32DA	TY	1
TCONT401AN21MA	**XR401** Electronic, 2 Htg/1 Clg (Non Prog.)	All Cooling/Heat Pump Models	TY	1
BAYSEN01ATEMPA	Outdoor Temp. Sensor	TCONT401,402	TY	1
BAYSTAT239A	Man. 2 Stg.Htg./1 Clg. Thermostat	All Heat Pump Models	TY	1
BAYSTAT240A	Man. 2 Htg./1 Clg. Delux	All Heat Pump Models	TY	1
BAY28X138A	Auto. 2 Stage Htg./1Stage Clg.	All Heat Pump Models	TY	1
BAY28X153A	Auto. 3 Stg. Htg./2 Stg. Clg.	All Heat Pump Models	TY	1
BAYSTAT253A	Humidity Control	All Heat Pump Models	TY	1
BAY28X190	Locking Thermostat Cover	Room Thermostats	TY	2
TAYSTAT250B	Outdoor Thermostat	Split System Models	TY	4
BAYSTAT033A	Outdoor Thermostat	Packaged Models	TY	4

① Requires subbase.

Features:
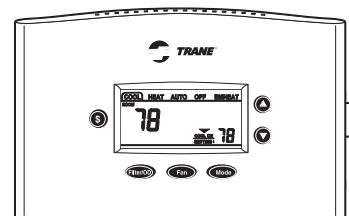
TCONT800A,802A,803A

- Easy-to-read, large, clear display with backlighting shows current temperature, set temperature and time
- Touch Screen Interaction allows user to navigate its intuitive menus with ease
- Menu Driven Programming guides the user through the scheduling process, showing only necessary information and choices on each screen
- Ability to select multiple days allows the homeowner to easily customize the comfort control for their unique schedules

- Real-Time Clock keeps time during power failure and automatically updates for daylight savings
- Armchair Programming allows user and installer to remove comfort control from wall to set the schedule (with three AAA batteries installed)
- Multiple HOLD options makes it easy to modify schedule indefinitely or for a specific time period
- IAQ reminders prompt the homeowner to service or replace air filters and humidifier pads

- Programmable fan options (AUTO, ON, and CIRC) increase air quality when combined with a whole-house air cleaner and offers greater options for air circulation
- Outdoor Temperature Indication (optional sensor required) shows outdoor temperature on the display to help you plan outdoor activities
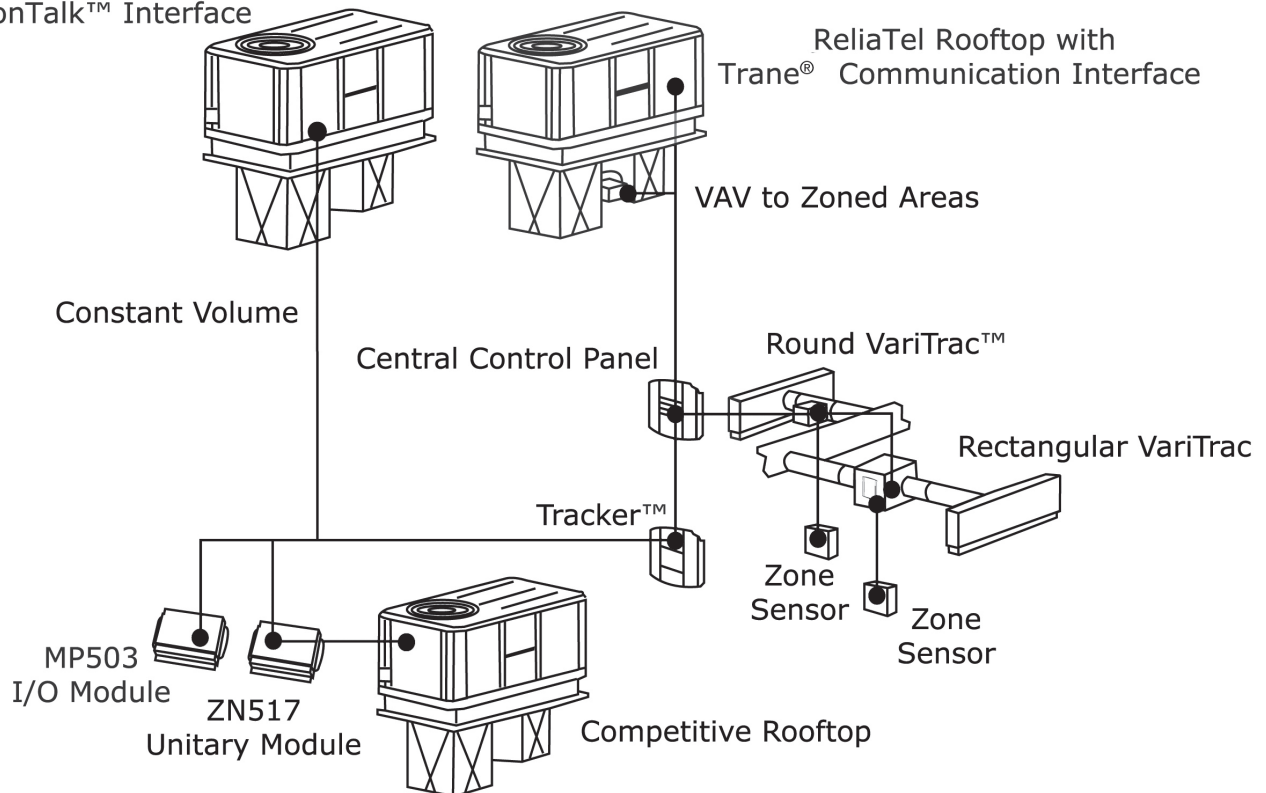

TCONT800A, 802A, 803A

TCONT600A,602A

TCONT402AN32DA

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INTEGRATED PACKAGED ROOFTOP SYSTEM

ReliaTel™ Rooftop with
LonTalk™ Interface

ReliaTel Rooftop with
Trane® Communication Interface

VAV to Zoned Areas

Constant Volume

Central Control Panel

Round VariTrac™

Rectangular VariTrac

Tracker™

Zone
Sensor

Zone
Sensor

MP503
I/O Module

ZN517
Unitary Module

Competitive Rooftop

Tracker System CV

Ordering Number	Model System Controllers	Expanded Description
BMTKKBBAA0A110	Tracker 12	Tracker 12 communicates with a maximum of 21 devices:
		Up to 12 Space Comfort Controllers (SCC) including Voyager and Precedent Rooftop units and ZN517 Unitary Controllers
		Up to 5 Central Control Panels (CCP)
		Up to 4 MP503 Multi-Purpose Input/Output controllers
BMTKKBBAA0A210	Tracker 24	Tracker 24 communicates with a maximum of 38 devices:
		Up to 24 Space Comfort Controllers (SCC) including Voyager and Precedent Rooftop units and ZN517 Unitary Controllers
		Up to 10 Central Control Panels (CCP)
		Up to 4 MP503 Multi-Purpose Input/Output controllers
BMTKKBBAB0A110	Tracker 12 w/LAN	The Tracker 12 with Local Area Network (LAN) option is a Tracker 12 with a 10/100 Base-T Ethernet card. The card has a RJ45 external interface (Ethernet connector), on board TCP/IP stack and can be assigned a static IP address or receive a DHCP address (dynamic address from the host server).
BMTKKBBAB0A210	Tracker 24 w/LAN	The Tracker 24 with Local Area Network (LAN) option is a Tracker 24 with a 10/100 Base-T Ethernet card. The card has a RJ45 external interface (Ethernet connector), onboard TCP/IP stack and can be assigned a static IP address or receive a DHCP address (dynamic address from the host server).

Notes:

1. Tracker panels require a LCI/RLCI (LonTalk®) comm5 communication card on each Rooftop unit (Tracker does not communicate with TCI comm 3/4, VariTrac I & II, Comfort Managers or TCMs).
2. All Tracker System CV panels require a 24 VAC, 50/60 Hz power supply (sold separately).
3. Batteries not required.

MP503 Input/Output Controller

Ordering Number	Model System Controllers	Expanded Description
KBA49500490	MP503 I/O Module	Up to 4 MP503 I/O Modules can be connected to a Tracker panel. MP503 inputs can be monitored, trended or used in binary output programming equations by the Tracker panel.

Notes:

1. MP503 requires a 24 VAC, 50/60 Hz power supply (sold separately).
2. MP503 has a built-in 80 mA, 24 VDC power supply capable of powering 4-20 mA transmitting sensors.

ZN517 Unitary Controller

Ordering Number	Model System Controllers	Expanded Description
KBA49500496	ZN517 Unitary Controller	The ZN517 Unitary Controller provides digital control similar to that of a wall thermostat.
		It is in a compact enclosure. The ZN517 controller is in accordance with the LonMark® Space Comfort Controller (SCC) profile and can operate as a standalone device or as part of a Tracker light commercial system.
		ZN517 Unitary Controllers are suitable for the following applications:
		• 2-heat/2-cool rooftop units with optional economizer control
		• 4-cool rooftop units with optional economizer control
		• 2-stage heat pumps with optional economizer and auxiliary heat control
		• Split systems

Notes:

1. ZN517 requires an isolated 24 VAC, 50/60 Hz power supply (sold separately).

System Specific Accessories

Ordering Number	Model System Controllers	Expanded Description
KBB40201206	Tracker 12 LAN Upgrade10/100	The Tracker 12 LAN Upgrade consists of a new main module with internal modem and Base-T Ethernet card. It allows one Tracker 12 to reside on an Ethernet/IP Local Area Network (LAN). The card has a RJ45 external interface (Ethernet connector), on-board TCP/IP stack and can be assigned a static IP address or receive a DHCP address (dynamic address from the host server).
KBB40201207	Tracker 24 LAN Upgrade	The Tracker 24 LAN Upgrade consists of a new main module with internal modem and 10/100 Base-T Ethernet card. It allows one Tracker 24 to reside on an Ethernet/IP Local Area Network (LAN). The card has a RJ45 external interface (Ethernet connector), on-board TCP/IP stack and can be assigned a static IP address or receive a DHCP address (dynamic address from the host server).
VADISPLAY010	CCP III LCD Only	Operators touch screen display (LCD) for use on Tracker System CB Central Control Panels (CCPs). Display (LCD) can be used to setup, monitor and control equipment and schedule up to four groups of zones with internal seven-day clock.
VARELAYBRD10	CCP III Relay Board	The CCP III Relay Board provides relay contacts for connection to a conventional machine thermostat terminal board (RGYW-0) when the HVAC unit connected to the Central Control Panel (CCP) is NOT a Voyager or Precedent rooftop unit. Mounts in the CCP wiring base.

Universal Accessories/Cables and Adapters

Ordering Number	Model System Controllers	Expanded Description
KBA35914260	RJ12 to RJ12 Interface Cable	The RJ12 to RJ12 Interface Cable is a ten-foot cable with a RJ12 plug on each end used to connect Tracker light commercial system panels to external devices. One end connects directly to the Tracker panel and the other end plugs into the appropriate adapter for connection to the desired device.
KBA35914262	RJ12 to DB9 Female Adapter (PC)	The RJ12 to DB9 Female Adapter is used to connect a RJ12 to RJ12 Interface Cable to a 9-pin serial port on a personal computer. This adapter converts the RJ12 connection on the cable to a 9-pin female connection.

Universal Accessories/Power Transformers

Ordering Number	Model System Controllers	Expanded Description
KBA40200812	24 VDC (500 mA) Power Supply	24 VDC power supply to provide power to 4-20 mA or 0-10 VDC sensors and transmitters up to a combined current of 500 mA. Requires 120 VAC at .4 Amps input.
KBA40200792	24 VDC (100 mA) Power Supply	24 VDC power supply to provide power to 4-20 mA and 0-10 VDC sensors and transmitters up to a combined current of 100 mA. Requires 24 VAC, 10 VA input.
KBA35812021	120/208/240 to 24 VAC, 75 VA (UL Listed)	This transformer has 120/208/240 VAC primary, 24 VAC 75VA secondary, external overload circuit breakers and 18 AWG, 8-inch leads for electrical connection. Mounting options include a 1/2-inch male conduit connection for mounting on a conduit box and feet for mounting on control panels. Pre-wired adapter must be cut off to expose leads for direct connection to controllers.
KBA35812022	120 to 24 VAC, 40 VA (UL Listed)	This transformer has 120 VAC primary, 24 VAC 40 VA secondary, internal current limiting and 18 AWG, 8-inch leads for electrical connection. Mounting options include a 1/2-inch male conduit connection for mounting on a conduit box and feet for mounting on control panels.

TRANE®

It's Hard To Stop A Trane.®

Universal Accessories/Binary Input Devices

Ordering Number	Model System Controllers	Expanded Description
KBA41902006	Air Flow Sampling Probe	Use the Air Flow Sampling Probe with a Differential Pressure Air Flow Switch to provide repeatable measurements of static pressure. This probe mounts in a duct and is 6" (152 mm) long with a right angle at its end. It has a bard connection for ½" (6 mm) outside diameter plastic tubing.
KBA41905005	Differential Pressure Water Flow Switch with enclosure	The Differential Pressure Water Flow Switch senses the differential pressure of air or liquid. It provides proof of flow for applications such as chiller flow. The range is 8 to 60 psi with a fixed differential of 1.5 psi. It includes SPDT contacts.
KBA41906006	Differential Pressure Air Flow Switch	The Differential Pressure Air Flow Switch senses positive, negative or differential air pressure. The plated housing contains a diaphragm, a calibrating spring and a snap acting SPDT switch. The sampling connections located on each side of the diaphragm accept 1/4-inch (6 mm) outside diameter tubing. This sensor includes a cover to accept 1/2-inch conduit connections. Adjustable from 0.05-inch to 12-inch (1 mm to 47 mm) wg.
KBA41901084	Low Temperature Cutout–Manual Reset	The Low-Temp Cutout–Manual Reset protects hydronic heating and cooling coils from low temperature conditions. It has a 20-foot sensor that attaches across the face of a coil. When one or more feet of the sensor registers a temperature within the 35-45°F (2-7°C) setpoint, the SPDT contact opens. Switch must be manually reset.
KBAX13310270-01	2–135 Amp Current Sensing Switch	The 2–135 Amp Current Sensing Switch monitors the status of fans or pumps. It includes a solid state current sensing circuit and an AC/DC output switch with setpoint adjustment, output status LED, and sensor power LED. The device usually mounts in a starter motor enclosure using the multi position-mounting bracket included. Two screw terminal connections are provided for low voltage wiring to a binary input. This device requires no external power. Output rating is .5 Amps at 24 VAC/DC.

Universal Accessories/Temperature Sensors

Ordering Number	Model System Controllers	Expanded Description
X1351152801	Zone Temperature Sensor	This Zone Temperature Sensor consists of a thermistor on a mounting base (suitable for mounting on any flat surface), plastic cover with Trane logo and a wiring terminal strip.
X1351153001	With On, Cancel	This Zone Temperature Sensor consists of a thermistor on a mounting base (suitable for mounting on any flat surface), plastic cover with Trane logo, integral after-hours timed override On and Cancel buttons, wiring terminal strip, and R22 communication port. Communication jack is an option, part number X1365146702. The optional communication jack is a snap-in accessory which mounts on the base of sensor. It ships in a box of 12 only.
X1351152901	With Setpoint Adjustment	This Zone Temperature Sensor consists of a thermistor on a mounting base (suitable for mounting on any flat surface), plastic cover with Trane logo and zone setpoint adjustment knob, wiring terminal strip, and R22 communication port. Communication jack is an option, part number X1365146702. The optional communication jack is a snap-in accessory which mounts on the base of sensor. It ships in a box of 12 only.
X1351152701	With On, Cancel, Setpoint Adjustment	This Zone Temperature Sensor consists of a thermistor on a mounting base (suitable for mounting on any flat surface), plastic cover with Trane logo and zone setpoint adjustment knob, integral after-hours timed override On and Cancel buttons, wiring terminal strip, and R22 communication port. Communication jack is an option, part number X1365146702. The optional communication jack is a snap-in accessory which mounts on the base of sensor. It ships in a box of 12 only.
KBA41901132	Duct/Immersion Sensor	This thermistor monitors duct or water temperature. If used to monitor water temperature, the sensor requires an immersion well. Shipped with a 1/2-inch MNPT well fitting.
KBA41901129	Duct Sensor	This thermistor monitors duct temperature. It has 6-foot plenum rated wire leads.
KBA41901101	Outside Air Sensor	Sealed thermistor designed to mount outdoors on a 1/2-inch conduit
KBA41907015	Stainless Steel, Flush Wall Mount Sensor	The Stainless Steel Flush Mount Wall Temperature Sensor provides indoor zone temperature sensing. It mounts directly to a wall or junction box and has an insulated back to reduce temperature effects from the mounting surface. Ideal for locations where tampering, vandalism or damage to an ordinary wall sensor might exist.
KBA41901091	Wall Plate	Plastic backplate that fits behind all room mounted zone temperature and humidity sensors. Covers up to 4-inch x 4-inc (102 mm x 102 mm) electrical boxes.
KBA41901108	Stainless Steel Immersion Well	Solid stainless steel immersion well with overall length of 4.25 inches (108 mm), extension length of 2.5 inches (63 mm) and extension diameter of 1/2 inch (13 mm). Connections are 1/2-inch external MNPT threads and 1/2-inch internal FNPT threads for sensor insertion.

Universal Accessories/Temperature Sensors (continued)

Ordering Number	Model System Controllers	Expanded Description
KBA41901104	Brass Immersion Well	Solid brass immersion well with overall length of 4.25 inches (108 mm), extension length of 2.5 inches (63 mm) and extension diameter of 1/2 inch (13 mm). Connections are 1/2-inch external MNPT threads and 1/2-inch internal FNPT threads for sensor insertion.
KBA41901123	6-Foot Duct Averaging Temp Sensor	The 6-foot (2 m) Duct Averaging Temperature Sensor consists of 4 thermistors in a flexible, plenum rated cable that act as a single sensor.
KBA41901122	20-Foot Duct Averaging Temp Sensor	The 20' (6.1 m) Duct Averaging Temperature Sensor consists of 4 thermistors in a flexible, plenum rated cable that act as a single sensor

Universal Accessories/Humidity and CO2 sensors

Ordering Number	Model System Controllers	Expanded Description
KBA41907019	3% Room Relative Humidity Sensor	The 3% Room Relative Humidity and Temperature Sensor is a combination relative humidity sensor with accuracy of +/- 3% from 20-95% relative humidity and a 10K @ 77°F thermistor. The sensors are on a mounting base (suitable for mounting on any flat surface), have a plastic cover with Trane logo, require a 24 VDC power supply and include a wiring strip with separate output terminals for each sensor.
KBA41907018	5% Room Relative Humidity Sensor	The 5% Room Relative Humidity and Temperature Sensor is a combination relative humidity sensor with accuracy of +/- 5% from 20-95% relative humidity and a 10K @ 77°F thermistor. The sensors are on a mounting base (suitable for mounting on any flat surface), have a plastic cover with Trane logo, require a 24 VDC power supply and include a wiring strip with separate output terminals for each sensor.
KBA41904100	Room Carbon Dioxide (CO2) Sensor	Sensor in wall mount enclosure that measures Carbon Dioxide (CO_2) levels in building zones within a range of 0-2000 parts per million (ppm). Output is selectable between 4-20 mA or 0-10 VDC. Requires 24 VAC or 24 VDC power.
KBA41904101	Duct Carbon Dioxide (CO2) Sensor	Direct sampling duct sensor that measures Carbon Dioxide (CO_2) levels in building zones within a range of 0-2000 parts per million (ppm). Output is selectable between 4-20 mA or 0-10 VDC. Requires 24 VAC or 24 VDC power

Universal Accessories/Output Relays

Ordering Number	Model System Controllers	Expanded Description
KBA34303017	24 VAC/SPDT Relay	The 24 VAC/SPDT Relay is a general purpose switching relay. An enclosure may be required for this relay to meet electrical codes. Connections are 1/4-inch (6 mm) quick connects. Use this relay as a pilot relay for binary outputs that require higher contact ratings than TCM or MP503 outputs provide. TCM and MP503 binary outputs are rated at 24 VAC, 1 Amp, 24 VA pilot duty. The coil rating for this voltage relay is 4.0 VA inrush, 3.0 VA sealed. Contact rating is: 125 VAC: 12 FLA, 60 LRA 250 VAC: 8 FLA, 48 LRA 277 VAC: 7 FLA, 42 LRA
KBA34303020	24 VAC/SPDT Relay with Enclosure	The 24 VAC/SPDT Relay With Enclosure has SPDT contacts, nylon enclosure, and 1/2-inch (13 mm) male conduit connection. The coil rating is 11.0 VA inrush, 6.0 VA sealed. The contacts are rated for 3/4 HP at 125 VAC, or 1 HP at 240 VAC, and 8 Amps continuous. The coil leads are 18 AWG and contact leads are 12 AWG. Use this relay as a pilot relay for binary outputs that require higher contact ratings than TCM or MP503 outputs provide. TCM and MP503 binary outputs are rated at 24 VAC, 1 Amp, 24 VA pilot duty.
KBA49500340	Four 24 VAC Pilot Relays in a Box	The Four 24 VAC Pilot Relays in a Box are relays for four 24 VAC coil electrically held binary output points and are in a NEMA Type 1 enclosure with sockets. There are DPDT contacts on each relay and they are rated at 5 Amp, 120 VAC, 1/2 HP, 250 VA pilot duty. The enclosure is approximately 10-1/2 inches x 5-1/2 inches x 3-1/5 inches (267 mm x 140 mm x 81 mm

Tracker System CB (VariTrac III)

Ordering Number	Model System Controllers	Expanded Description
VACCPWDISP10	CCPIII With LCD	Primary system panel for a Tracker System CB (VariTrac system). Includes optional operator display (LCD) to setup, monitor and control equipment and schedule up to four groups of zones with internal seven-day clock. May also receive time of day commands from a Tracker panel or an external time clock. Central Control Panels (CCPs) communicate with a maximum of 26 devices: • 1 Constant Volume HVAC unit including Voyager and Precedent Rooftop units with TCI communications board, or third-party units with optional relay board. • Up to 24 zone controllers* • 1 Bypass Damper Controller*
VACCPONLY010	CCP III Without LCD	Primary system panel for a Tracker System CB (VariTrac system) as above without optional operator display (LCD).
		Note: Internal time clock functionality is only available on CCP models with LCD. CCPs without LCD require an external time clock or optional Tracker panel for scheduling.

Notes:

1. If the HVAC unit that is to be connected to the CCP is a Voyager or Precedent rooftop unit with ReliaTel™ controls, order a TCI comm 3/4 communications interface for the rooftop.

2. If the HVAC unit that is to be connected to the CCP is other than a Voyager or Precedent rooftop unit, order optional CCP III Relay Board in addition to CCP.

3. All CCP panels require a 24 VAC, 50/60 Hz power supply (sold separately).

4. Batteries not required.

Bypass Dampers

Ordering Number	Description	Expanded Description
Bypass Dampers		Damper motor and gear assembly are wired to a terminal strip mounted in the bypass damper control box. A 12-foot interface cable with a polarized plug is wired and supplied with the bypass damper for connection to the VariTrac III Communicating Sensor/Bypass Control Assembly. Bypass damper is controlled by the VariTrac Central Control Panel.
VADA06BYPS30	6" BYPS	6" Round Bypass Damper
VADA08BYPS30	8" BYPS	8" Round Bypass Damper
VADA10BYPS30	10" BYPS	10" Round Bypass Damper
VADA12BYPS30	12" BYPS	12" Round Bypass Damper
VARA1412BYR2	14" x 12" BYPS	Rectangular Bypass Damper
VARA1616BYR2	16" x 16" BYPS	Rectangular Bypass Damper
VARA2020BYR2	20" x 20" BYPS	Rectangular Bypass Damper
VARA3020BYR2	30" x 20" BYPS	Rectangular Bypass Damper

Zone Dampers

Ordering Number	Description	Expanded Description
CHGR Dampers		Zone damper motor and gear assembly are controlled by a changeover UCM. No remote heat can be energized. (Heat type 0)
VADA06CHGR60	6" CHGR	
VADA08CHGR60	8" CHGR	
VADA10CHGR60	10" CHGR	
VADA12CHGR60	12" CHGR	
VADA14CHGR60	14" CHGR	
VADA16CHGR60	16" CHGR	
VARA0812CHGR10	8" x 12" CHGR	
VARA0814CHGR10	8" x 14" CHGR	
VARA0816CHGR10	8" x 16" CHGR	
VARA1016CHGR10	10" x 16" CHGR	
VARA1020CHGR10	10" x 20" CHGR	
VARA1418CHGR10	14" x 18" CHGR	

Zone Dampers

Ordering Number	Description	Expanded Description
ELEC Dampers①		Zone damper motor and gear assembly with three-stage electric heat control for the local zone. Local heat disabled with primary heat. (Heat type 1)
VADA06ELEC60	6" ELEC	
VADA08ELEC60	8" ELEC	
VADA10ELEC60	10" ELEC	
VADA12ELEC60	12" ELEC	
VADA14ELEC60	14" ELEC	
VADA16ELEC60	16" ELEC	
VARA0812ELEC10	8" x 12" ELEC	
VARA0814ELEC10	8" x 14" ELEC	
VARA0816ELEC10	8" x 16" ELEC	
VARA1016ELEC10	10" x 16" ELEC	
VARA1020ELEC10	10" x 20" ELEC	
VARA1418ELEC10	14" x 18" ELEC	

Notes:

① See Data Catalog for Damper Sizing. See Factory Default Parameters.

Zone Dampers

Ordering Number	Description	Expanded Description
NCHW Dampers①		Zone changeover with remote heat staging capabilities. With both Primary Cool and Heat, one stage of remote heat may be energized. May be used to operate a normally closed water valve. (Heat type 5)
VADA06NCHW60	6" NCHW	
VADA08NCHW60	8" NCHW	
VADA10NCHW60	10" NCHW	
VADA12NCHW60	12" NCHW	
VADA14NCHW60	14" NCHW	
VADA16NCHW60	16" NCHW	
VARA0812NCHW10	8" x 12" NCHW	
VARA0814NCHW10	8" x 14" NCHW	
VARA0816NCHW10	8" x 16" NCHW	
VARA1016NCHW10	10" x 16" NCHW	
VARA1020NCHW10	10" x 20" NCHW	
VARA1418NCHW10	14" x 18" NCHW	

Notes:

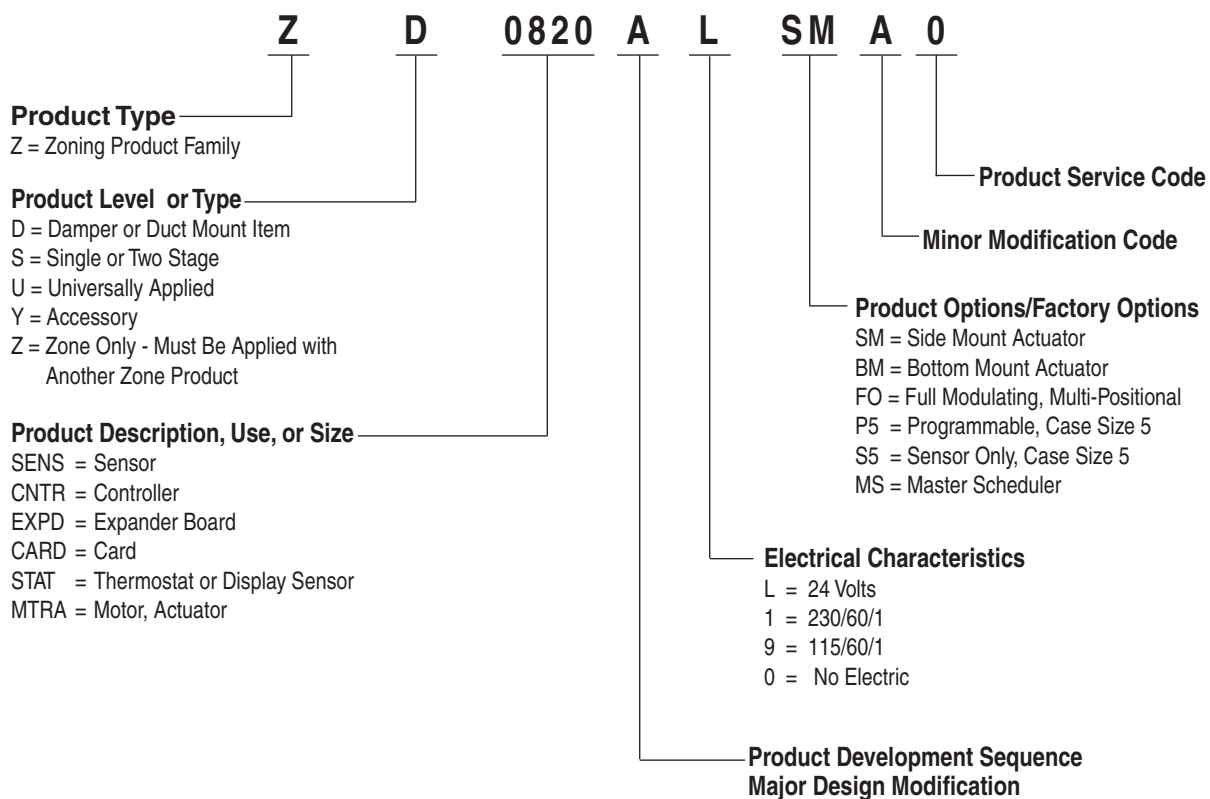① See Data Catalog for Damper Sizing. See Factory Default Parameters.

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Accessories

Ordering Number	Description	Expanded Description
VAOCCSENS010	Zone Occupancy Sensor (ceiling mount)	Ceiling mount PIR occupancy sensor to be used with VariTrac zone damper UCM for controlling the occupied zone standby function. Detects motion over a 360 degree range (adjustable) for up to a 1200 square foot area. SPDT isolated contact for connection to UCM input. Requires 24 VAC. (may share power supply with UCM)
VAC02ZONE010	Zone C02 Sensor (wall mount)	Compact wall mount transmitter for use with the VariTrac UCM CO2 input for doing demand control ventilation. Measurement range of 2000ppm CO2 input with an output of 0-10vdc. Transmitter housing size is approximately 4.25inches wide by 3.15 inches high. Requires 24 VAC.
VAC02DUCT010	Duct C02 Sensor (duct mount)	Compact zone return duct mount transmitter for use with the VariTrac UCM CO2 input for doing demand control ventilation.
		Measurement range of 2000ppm CO2 input with an output of 0-10vdc. Transmitter housing size is approximately 4.25inches wide by 3.15 inches high by 2.5 inches deep. Duct probe is .6 inches in diameter by 3 inches to 5.5 inches, adjustable depth. Requires 24 VAC.
VADIGITLSNR1	Digital Display Zone Sensor	Digital LCD display zone sensor with the functionality of the standard Trane zone sensor. Sensor includes digital display of setpoint adjustment and space temperature in F or C. Includes ON and CANCEL buttons(supports the *, ** service functions of the standard sensor), and communications jack which can be accessed without removing the cover. Non-volatile memory stores last programmed setpoints. Requires 24VAC. (may share power supply with UCM)
VADMPRCABL10	Bypass Damper Cable Harness	Cable for wiring existing bypass dampers to the new Communicating Sensor/Bypass Control Assembly. Plenum rated 3 conductor cable assembly with fork connectors on one end to attach to bypass damper and AMPs connector on the other end to mate with the VAV UCM actuator output. For retrofit work only(cable is included with all new bypass dampers).
VACOMMSENS10	Communicating Sensor/Bypass Control	One required per VariTrac system. Integrated supply air and static pressure sensors connected to a communicating controller (UCM). Communicates directly to the VariTrac system over Comm4 link. Wires to the bypass damper with 12 foot interface cable (supplied with bypass damper). Requires 24 VAC. Works with new VariTrac III only.
VADAMPRUCM40	Damper UCM	UCM in a damper control box; used to represent large constant volume zones. The motor actuator is by others.
VA277VXMFR10	277 Volt Transformer	277-volt primary, 24-volt secondary, 40 VA transformer. It is field mounted and wired.
VA120VXMFR10	120 Volt Transformer	120-volt primary, 24-volt secondary, 40 VA transformer. It is field mounted and wired.
VAJCIMOTR010	Actuator Only	Direct coupled actuator with 60 second drive time
VASNSRSTAT20	Zone Sensor	Sensor only. Vertical single-gang mounting. If a communication jack is required, accessory VACOMMODL010 is needed.
VASEACSTAT20	Zone Sensor	Sensor, externally adjustable setpoint. Vertical single-gang mounting. If a communication jack is required, accessory VACOMMODL010 is needed.
VASENCSTAT30	Zone Sensor	Sensor, Night Setback button, externally adjustable setpoint. Vertical single-gang mounting. If a communication jack is required, accessory VACOMMODL010 is needed.
VASEBCSTAT10	Zone Sensor	Sensor with On and Cancel. Vertical single mounting. If a communication jack is required, accessory VACOMMODL010 is needed.
VASTATLCPC20	Zone Sensor	Wall Plate Available for use with UCM zone sensors. Designed to cover a 4 x 4 junction box mounted horizontally or vertically. Construction is of thermoplastic material with pebble grain finish, which matches the zone sensor. This is a field-installed component.
VACOMMODL010	Zone Sensor	The optional communication jack is a snap-in accessory which mounts on the base of sensors VASNSRSTAT20, VASEACSTAT20, VASENCSTAT30, and VASEBCSTAT10. It ships in a box of 12 only.

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Linear Slot Diffusers

Ordering

Number	Description	Expanded Description
VA2TBAR1S1W0	15/16" T-Bar, 2 ft., Low height, 1 slot / 1 way diffuser / inlet diameter 6"	Linear slot diffuser designed to mount over the "T" of several exposed "T" suspended ceilings. Ceiling types include Armstrong-Prelude Series, Chicago Metallic 200/1800 Series, USG/Donn-DX Series, National Rolling Mills-ML Series. Exposed surfaces of slot finished with white enamel.
VA2TBAR2S2W0	15/16" T-Bar, 2 ft., Low height, 2 slot / 2 way diffuser	Linear slot diffuser designed to mount over the "T" of several exposed "T" suspended ceilings. Ceiling types include Armstrong-Prelude Series, Chicago Metallic 200/1800 Series, USG/Donn-DX Series, National Rolling Mills-ML Series. Exposed surfaces of slot finished with white enamel.
VA4TBAR1S1W0	15/16" T-Bar, 4 ft., Low height, 1 slot / 1 way diffuser / inlet diameter 6"	Linear slot diffuser designed to mount over the "T" of several exposed "T" suspended ceilings. Ceiling types include Armstrong-Prelude Series, Chicago Metallic 200/1800 Series, USG/Donn-DX Series, National Rolling Mills-ML Series. Exposed surfaces of slot finished with white enamel.
VA4TBAR2S2W0	15/16" T-Bar, 4 ft., Low height, 2 slot /	Linear slot diffuser designed to mount over the "T" of several exposed "T" suspended ceilings. Ceiling types include Armstrong-Prelude Series, Chicago Metallic 200/1800

Z   D   0820   A   L   SM   A   0

Product Type
Z = Zoning Product Family

Product Level or Type
D = Damper or Duct Mount Item
S = Single or Two Stage
U = Universally Applied
Y = Accessory
Z = Zone Only - Must Be Applied with
    Another Zone Product

Product Description, Use, or Size
SENS = Sensor
CNTR = Controller
EXPD = Expander Board
CARD = Card
STAT   = Thermostat or Display Sensor
MTRA = Motor, Actuator

Product Service Code

Minor Modification Code

Product Options/Factory Options
SM = Side Mount Actuator
BM = Bottom Mount Actuator
FO = Full Modulating, Multi-Positional
P5 = Programmable, Case Size 5
S5 = Sensor Only, Case Size 5
MS = Master Scheduler

Electrical Characteristics
L = 24 Volts
1 = 230/60/1
9 = 115/60/1
0 = No Electric

**Product Development Sequence
Major Design Modification**

TRANE®

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Specifications: Round Dampers

Model Number	Power Supply	Description	Fits Round Duct Size	Mfg. Plant	Shipping Weight
ZD0006ALF0B0	24 VAC	6" Modulating Damper	6"	TY	8
ZD0008ALF0B0	24 VAC	8" Modulating Damper	8"	TY	10
ZD0010ALF0B0	24 VAC	10" Modulating Damper	10"	TY	13
ZD0012ALF0B0	24 VAC	12" Modulating Damper	12"	TY	15
ZD0014ALF0B0	24 VAC	14" Modulating Damper	14"	TY	22
ZD0016ALF0B0	24 VAC	16" Modulating Damper	16"	TY	24

Features and Benefits:

• Fully modulating damper
• Low power requirement 3.4 VA @ 24v
• Factory mounted motor actuator
• 53 inch-pound running torque
• 40 inch-pound break away torque
• Magnetic clutch for torque protection
• Adjustable rotation from 30° to 90°
• 60 second travel time
• Color coded wiring harness for easy field hook-up
• Low leakage Trane design
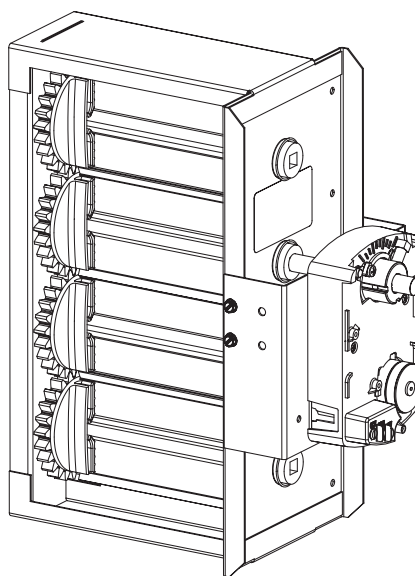• 18 guage construction
• 24 volt operation

TRANE®

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Specifications: Rectangular Dampers with Side Mount Actuator

Model Number	Power Supply	Description	Uncrated Dimensions (in.)		Mfg. Plant	Shipping Weight
			H	W		
ZD0812ALSMB0	24 VAC	8" height x 12" width	8	12	TY	17
ZD0814ALSMB0	24 VAC	8" height x 14" width	8	14	TY	20
ZD0816ALSMB0	24 VAC	8" height x 16" width	8	16	TY	22
ZD0818ALSMB0	24 VAC	8" height x 18" width	8	18	TY	24
ZD0820ALSMB0	24 VAC	8" height x 20" width	8	20	TY	26
ZD1016ALSMB0	24 VAC	10" height x 16" width	10	16	TY	29
ZD1020ALSMB0	24 VAC	10" height x 20" width	10	20	TY	35

Features and Benefits:

- Side mount actuator motor
- Low power requirement 3.4 VA @ 24v
- Fully modulating damper
- Factory mounted motor actuator
- 53 inch-pound running torque
- 40 inch-pound break away torque
- Magnetic clutch for torque protection
- Adjustable rotation from 30° to 90°
- 60 second travel time
- Color coded wiring harness for easy field hook-up
- Low leakage Trane design
- 18 guage construction
- 24 volt operation
- Long life PTC High Impact ABS gears designed and tested to exceed 200,000 cycles

![TRANE logo] **TRANE®**

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Integrated Zone™ System Rectangular Dampers

Specifications: Rectangular Dampers with Bottom Mount Actuator

Model Number	Power Supply	Description	Uncrated Dimensions (in.) H	W	Mfg. Plant	Shipping Weight
ZD0810ALBMB0	24 VAC	8" height x 10" width	8	10	TY	16
ZD0814ALBMB0	24 VAC	8" height x 14" width	8	14	TY	20
ZD0820ALBMB0	24 VAC	8" height x 20" width	8	20	TY	26
ZD1014ALBMB0	24 VAC	10" height x 14" width	10	14	TY	28
ZD1020ALBMB0	24 VAC	10" height x 20" width	10	20	TY	35

Features and Benefits:
- Bottom mount actuator motor
- Low power requirement 3.4 VA @ 24v
- Fully modulating damper
- Factory mounted motor actuator
- 53 inch-pound running torque
- 40 inch-pound break away torque
- Magnetic clutch for torque protection
- Adjustable rotation from 30° to 90°
- 60 second travel time
- Color coded wiring harness for easy field hook-up
- Low leakage Trane design
- 18 guage construction
- 24 volt operation
- Long life PTC High Impact ABS gears designed and tested to exceed 200,000 cycles

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Specifications:

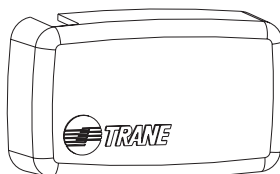| Model Number	Description	Mfg. Plant	Shipping Weight
ZSASSMAL010	Zoning Assembly①	TY	9
ZSCNTRAL010	Single/Two-Stage Controller (two-piece thermostat)	TY	4
ZZEXPDAL010	Four-Zone Expander Board	TY	1
ZZCARDAL010	Zone/By-Pass Card	TY	1
ZZSENSAL011	Remote Analog Temperature Sensor②	TY	1
ZUSTATAL031	Reduced Size, Temperature Only Display Sensor	TY	1
ZUSTATALS51	Non-Setback Sensor Time/Temperature Display	TY	1
ZUSTATALP51	Programmable Sensor Time/Temperature Display	TY	1
ZUSTATALMS1	Programmable Master Scheduler Setback/Up Sensor/for up to Eight Zones	TY	1
TAYSTAT265B	Outdoor Temperature Sensor③	TY	1

① Contains a system controller, four-zone expander board, and three zone cards mounted in a large eight zone metal enclosure. Discharge air sensor packaged with assembly.
② Requires ZUSTATALMS10 for programming and scheduling when used as a zone sensor.
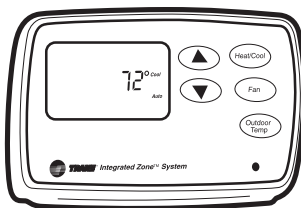③ Use for outdoor temperature reading.
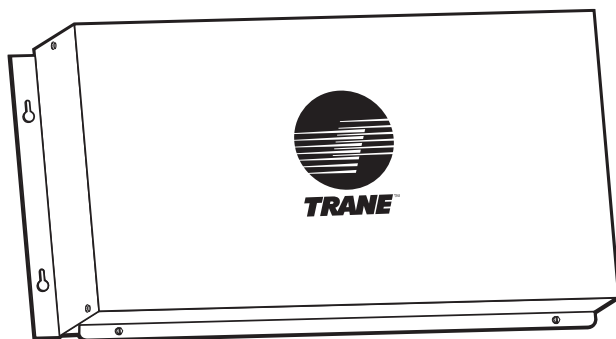
Features and Benefits:

• Full modulating zone operation
• Single and two-stage heating products
• Single and two-stage cooling products
• Indoor fan motors -- handles both Variable Speed and PSC induction motors
• Heat pump compatible
• Fossil fuel (gas and oil furnace) compatible
• Wet-heat (hot water coil in air handler) compatible
• Zone card adjustable from 20 to 100% system airflow
• By-pass offering
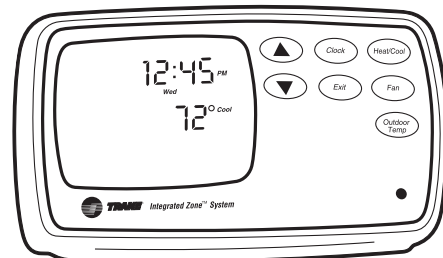• Relief to zones adjustment (standard feature)

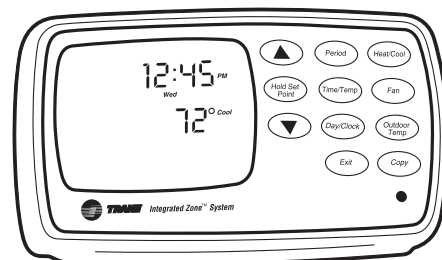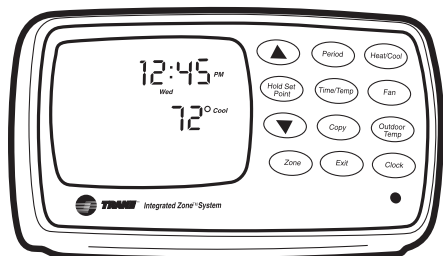
ZZSENSAL011
TAYSTAT265B

ZUSTATAL031

ZUSTATALS51

ZUSTATALP51

ZSASSMAL010

ZUSTATALMS1

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Ordering Number	Item	Expanded Description
ZSASSMAL010	Zoning Assembly	Contains the Basic Control components (excluding wall mounted sensors) for either I) a three (3) zone system, or II) a two (2) zone system with by-pass. Includes the system controller, one (1) four-zone expander board with three (3) zone cards. All mounted in a metal enclosure that will accept an additional four-zone expander board for up to eight (8) zones. Discharge Air Sensor is packaged and included. Controls single and two-stage products; cooling, gas, oil, electric heat, and heat pump systems.
ZSCNTRAL010	Single/Two-Stage Controller	Must be used with any ZUSTATAL** Wall Mounted Sensor. Use as a two-piece thermostat remoting the relays and noise the relays normally produce. User sees attractive wall mounted assembly. Controller can be used to allow communication link between cooling/heating equipment and home automation control(s). Controls cooling, gas, oil, electric heat, and heat pump systems.
ZZEXPDAL010	Four-Zone Expander Board	Used to expand ZSASSMAL010 Basic Zoning Assembly to either eight (8) zones or seven (7) zones with by-pass.
ZZCARDAL010	Zone/By-Pass Card	Controls a single zone's damper(s) or the by-pass damper. Zone and by-pass airflows are set on each card. One card required per zone.
ZUSTATAL031	Petite Wall Mount Display Sensor	Slimline design comfort sensor continuously displays indoor temperature. Used to change indoor temperature settings and conditioning modes for cool, heat, auto, or continuous fan. When used with TAYSTAT265B sensor, outdoor temperature can be viewed. Used with either ZSASSMAL010 or ZSCNTRAL010.
ZUSTATALS51	Slimline Wall Mount Display Sensor	Comfort sensor continuously displays the time and indoor temperature backlit LCD for easy view. Used to change indoor temperature settings and conditioning modes. When used with TAYSTAT265B sensor, outdoor temperature can be viewed. Use with either ZSASSMAL010 or ZSCNTRAL010.
ZUSTATALP51	Slimline Wall Mount Programmable Display Sensor	Same basic features as ZUSTATALS51 sensor with seven day schedule programming which allows four separate time/temperature settings per 24-hour period. Backlit LCD for easy view and programming. Displays day of week in addition to time and temperature.
ZUSTATALMS1	Slimline Wall Mount Zone Scheduler/ Programmable Display Sensor	Same features as ZUSTATALP51 sensor. Can be used to program and schedule up to eight (8) zones. Copy button for ease of programming time/temperature schedules from other zones.
ZZSENSAL011	Remote Analog Temperature Sensor	Temperature only sensor. Senses the temperature where located. When used for a zone temperature sensor, must be used with ZUSTATALMS1 Master Scheduler. Can be used as a remote sensor for ZUSTATALS51, ZUSTATALP51, or ZUSTATALMS1.
TAYSTAT265B	Outdoor Temperature Sensor	Outdoor temperature only sensor. Can be used with ZUSTATALS51, ZUSTATALP51, or ZUSTATALMS1.

Accessories: Cooling Bleed TXV Kits - Single direction flow

Model Number	Used With AC Units	Liquid Line Connection Dia. I.D.	Gas Line Connection Dia. I.D.	Mfg. Plant	Shipping Weight	Refrigerant
TAYTXVA0B5C	1-1.5 Ton	1/4"	5/8"	TR	2	R-22
TAYTXVA0C5C	2-2.5 Ton	5/16"	3/4"	TR	2	R-22
TAYTXVA0E5C	3-3.5 Ton	3/8"	7/8"	TR	2	R-22
TAYTXVA0G5C	4 Ton	3/8"	1-1/8"	TR	2	R-22
TAYTXVA0H5C	5-6 Ton	3/8"	1-1/8"	TR	2	R-22

Accessories: Cooling Non-Bleed TXV Kits - Single direction flow

Model Number	Used With AC Units	Liquid Line Connection Dia. I.D.	Gas Line Connection Dia. I.D.	Mfg. Plant	Shipping Weight	Refrigerant
TAYTXVA0B3C	1-1.5 Ton	1/4"	5/8"	TR	2	R-22
TAYTXVA0C3C	2-2.5 Ton	5/16"	3/4"	TR	2	R-22
TAYTXVA0E3C	3-3.5 Ton	3/8"	7/8"	TR	2	R-22
TAYTXVA0G3C	4 Ton	3/8"	1-1/8"	TR	2	R-22
TAYTXVA0H3C	5-6 Ton	3/8"	1-1/8"	TR	2	R-22

Accessories: Heat Pump Non-Bleed TXV Kits (also for cooling) - Dual direction flow

Model Number	Used With HP/AC Units	Liquid Line Connection Dia. I.D.	Gas Line Connection Dia. I.D.	Mfg. Plant	Shipping Weight	Refrigerant
TAYTXVH0B3C	1-1.5 Ton	1/4"	5/8"	TR	2	R-22
TAYTXVH0C3C	2-2.5 Ton	5/16"	3/4"	TR	2	R-22
TAYTXVH0E3C	3-3.5 Ton	3/8"	7/8"	TR	2	R-22
TAYTXVH0G3C	4 Ton HP	3/8"	1-1/8"	TR	2	R-22
TAYTXVH0H3C	5-6 Ton HP	3/8"	1-1/8"	TR	2	R-22

Accessories: Cooling/Heat Pump Non-Bleed TXV Kits - Dual Direction Flow*

Model Number	Used With HP/AC Units	Liquid Line Connection Dia. I.D.	Gas Line Connection Dia. I.D.	Mfg. Plant	Shipping Weight	Refrigerant
TAYTXVH0D3C	2.5 -3 Ton	3/8"	1-1/8"	TR	2	R-22
TAYTXVH0G3C	4 -5 Ton	3/8"	1-1/8"	TR	2	R-22

Accessories: R-410A Heat Pump Non-Bleed TXV Kits (also for cooling) - Dual direction flow

Model Number	Used With HP/AC Units	Liquid Line Connection Dia. I.D.	Gas Line Connection Dia. I.D.	Mfg. Plant	Shipping Weight	Refrigerant
4AYTXVH3A1830A	1.5-2.5 Ton	5/16"①	3/4"②	TR	2	R-410A
4AYTXVH3A3654A	3-4 Ton	3/8"	7/8"③	TR	2	R-410A
4AYTXVH3A6060A	5 Ton	3/8"	7/8"	TR	2	R-410A

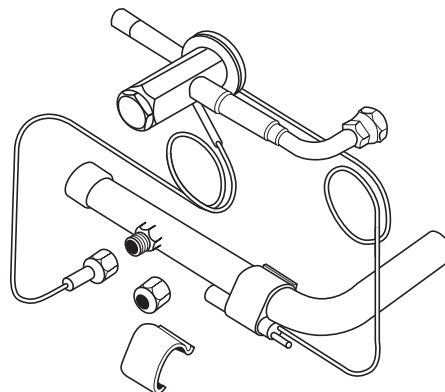① 1 1/2 ton requires 1/4" liquid line; reducer fittings provided.
② 1 1/2 ton requires 1/2 " suction line, 2 ton requires 5/8; reducer fittings provided.
③ 3 & 3 1/2 ton requires 3/4" suction line; reducer fitting provided.
*   Used with TXH coils only where approved for use with 2 compressor systems.

Notes:

• Use in place of FCCV (Above) on air handlers and coils
• Match TXV kit size to outdoor nominal cooling capacity
• Braze field connections

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Accessories: R-22 HP Non-Bleed TXV Kits (also cooling) - Dual Direction Flow for COILS

Model Number	Used With HP/AC Units	A Coils①	Flat Coils②	Mfg. Plant	Shipping Weight	Refrigerant
2AYTXVH3C1818A	1.5 Ton	018	018	TR	2	R-22
2AYTXVH3C2425A	2 Ton	024-025	–	TR	2	R-22
2AYTXVH3C3031A	2.5 Ton	048-060	–	TR	2	R-22
2AYTXVH3C3337A	3 Ton	036-037	033	TR	2	R-22
2AYTXVH3C4243A	3.5 Ton	042-043	041	TR	2	R-22
2AYTXVH3C4850A	4 Ton	048-050	–	TR	2	R-22
2AYTXVH3C5463A	4 and 5 Ton	060-061	054,063	TR	2	R-22

① 2TXC,CXC,CXA
② 2TXF

Accessories: R-22 HP Non-Bleed TXV Kits (also cooling) - Dual Direction Flow for AIR HANDLERS

Model Number	Used With HP/AC Units	Air Handlers	Mfg. Plant	Shipping Weight	Refrigerant
2AYTXVH3D1830A	1.5-2.5 Ton	TEC/TEH018-030, TGB018-036 TFB/TFE-All	TR	2	R-22
2AYTXVH3D3636A	3 Ton	TEC/TEH036	TR	2	R-22
2AYTXVH3D4260A	3.5-5 Ton	TEC/TEH042-060, TGB042-048	TR	2	R-22

Accessories: R-410A HP Non-Bleed TXV Kits (also cooling) - Dual Direction Flow for COILS & AIR HANDLERS

Model Number	Used With HP/AC Units	A/Flat Coils①	Air Handlers	Mfg. Plant	Shipping Weight	Refrigerant
4AYTXVH3D1831A	1.5-2.5 Ton	018-031	②	TR	2	R-410A
4AYTXVH3D3343A	3-3.5 Ton	036-043	③	TR	2	R-410A
4AYTXVH3D4863A	4-5 Ton	048-061	④	TR	2	R-410A

① 4TXC,CXC,CXA, 4TXF
② TEC/TEH018-030, TGB018-036, TFB/TFE-All
③ TEC/TEH036-042, TGB042
④ TEC/TEH048-060, TGB048

Accessories: R-22 HP Non-Bleed TXV Kits (also cooling) - Dual Direction Flow for ALUMINUM COILS

Model Number	Used With HP/AC Units	Aluminum Coils①	Mfg. Plant	Shipping Weight	Refrigerant
2AYTXVH3B2531A	2-2.5 Ton	025-031	TR	2	R-22
2AYTXVH3B3637A	3 Ton	036-037	TR	2	R-22
2AYTXVH3B5454A	4 Ton	054	TR	2	R-22
2AYTXVH3B6161A	5 Ton	061	TR	2	R-22
2AYTXVH3B6565A	5 Ton	063	TR	2	R-22

Accessories: R-410A HP Non-Bleed TXV Kits (also cooling) - Dual Direction Flow for ALUMINUM COILS

Model Number	Used With HP/AC Units	Aluminum Coils①	Mfg. Plant	Shipping Weight	Refrigerant
4AYTXVH3B2531A	2-2.5 Ton	025-031	TR	2	R-410A
4AYTXVH3B3654A	3-3.5 Ton	036-054	TR	2	R-410A
4AYTXVH3B6165A	4-5 Ton	061-065	TR	2	R-410A

① 4TXC-S

13 SEER 'A' Coils (Cooling/Heat Pump Non-Bleed TXV Kits-/Dual Direction Flow)

R-410A Model Number	R-22 Model Number	Used With 13 SEER Coils
4AYTXVH3D1831A	2AYTXVH3C1818A	2/4TXC,TXA,CXC,CXA-018
4AYTXVH3D1831A	2AYTXVH3C2425A	2/4TXC,TXA,CXC,CXA-024,025
4AYTXVH3D1831A	2AYTXVH3C3031A	2/4TXC,TXA,CXC,CXA-031
4AYTXVH3D3343A	—	4TXC,4TXA-032
4AYTXVH3D3343A	2AYTXVH3C3337A	2/4TXC,TXA,CXC,CXA-036,037
4AYTXVH3D3343A	2AYTXVH3C4243A	2/4TXC,TXA,CXC,CXA-042,043
4AYTXVH3D4863A	—	4TXC,4TXA-044
4AYTXVH3D4863A	2AYTXVH3C4850A	2/4TXC,TXA,CXC,CXA-048,049,050
4AYTXVH3D4863A	2AYTXVH3C5463A	2/4TXC,TXA,CXC,CXA-060,061
4AYTXVH3D4863A	—	4TXC,4TXA-064

Flat Coils (Cooling/Heat Pump Non-Bleed TXV Kits-/Dual Direction Flow)

R-410 Model Number	R-22 Model Number	Used With Flat Coils
4AYTXVH3D1831A	2AYTXVH3C1818A	2TXF-018
4AYTXVH3D3343A	2AYTXVH3C3337A	2/4TXF-033
4AYTXVH3D3343A	2AYTXVH3C4243A	2/4TXF-041
4AYTXVH3D4863A	2AYTXVH3C5463A	2/4TXF-054-063

Air Handlers (Cooling/Heat Pump Non-Bleed TXV Kits-/Dual Direction Flow)

R-410 Model Number	R-22 Model Number	Used With Air Handlers
4AYTXVH3D1831A	2AYTXVH3D1830A	2/4TFB-018-030
4AYTXVH3D1831A	2AYTXVH3D1830A	2/4TFE-025
4AYTXVH3D1831A	2AYTXVH3D1830A	2/4TEC-018-030
—	2AYTXVH3D3636A	2/4TEC-036
4AYTXVH3D3642A	—	2/4TEC-036-042
—	2AYTXVH3D4260A	2/4TEC-042-060
4AYTXVH3D4863A	—	2/4TEC-048-060
4AYTXVH3D1831A	2AYTXVH3D1830A	2TEH-018-030
—	2AYTXVH3D3636A	2TEH-036
4AYTXVH3D3642A	—	2TEH-036-042
—	2AYTXVH3D4260A	2TEH-042-060
4AYTXVH3D4863A	—	2TEH-048-060
4AYTXVH3D1831A	2AYTXVH3D1830A	2TGB-018-036
4AYTXVH3D3642A	—	2TGB-042
—	2AYTXVH3D4260A	2TGB-042-048
4AYTXVH3D4863A	—	2TGB-048

Aluminum 'A' Coils (Cooling/Heat Pump Non-Bleed TXV Kits-/Dual Direction Flow)

R-410 Model Number	R-22 Model Number	Used With Aluminum Coils
4AYTXVH3B2531A	2AYTXVH3B2531A	2/4TXC,TXA-025-031
4AYTXVH3B3654A	2AYTXVH3B3637A	2/4TXC,TXA-036,037
4AYTXVH3B3654A	2AYTXVH3B5454A	2/4TXC,TXA-054
4AYTXVH3B6165A	2AYTXVH3B6565A	2/4TXC,TXA-065