8403-091 1 (T701) N (Z	BASIC PROGRAMMABLE/NON-PROGRAMMABLE MULTI-STAGE	DETAILED THERMOSTAT/ENVIRONMENTAL CONTROLLER SPECIFICATIONS		
8403-091 1 (T701) N (Z	Annaland Pastones	•		
(2 N D B403-089 1 (TH4110U2005)	tandard Features C/1H Standard AC with 1 stage electric heat	Additional Features White color		
8403-089 1 (TH4110U2005) D	Non-programmable	Temperature range: 44-90F, Temperature display F		
D 8403-089 1: (TH4110U2005) D	2)AA Batteries for 24-hour clock retention, non-volatile memory for all other settings Manual changeover	Size: 4.4"H x 4.7"W x .8"D Terminals: RC, RH, C, W, Y, G		
(TH4110U2005) D	Digital backlit display with 2-Button User Interface and fan/system switches	Snap together design		
	.C/1H Standard AC with 1 stage electric heat or Heat Pump without electric heat Digital 7 day programmable, 5+1+1 or 5+2 day, or non-programmable	Bard logo, White color, Square shape Temperature range: 37-102F, Adjustable temperature display F or C		
(11002003)	2)AA Batteries for 24-hour clock retention, non-volatile memory for all other settings	Size: 4-49/64"H x 4-49/64"W x 11/32"D		
	Automatic or manual changeover	Terminals: RC, R, C, W, Y, O/B, G, K		
	imple 5-Button User Interface with English, Spanish, French C/2H Standard AC with electric heat or Heat Pump with electric heat	Snap together design includes subbase and tool-less wiring connections Bard logo, White color, Square shape		
	Digital 7 day programmable, 5+1+1 or 5+2 day, or non-programmable	Temperature range: 37-102F, Adjustable temperature display F or C		
	2)AA Batteries for clock retention, non-volatile memory for all other settings Automatic or manual changeover	Size: 4-49/64"H x 4-49/64"W x 11/32"D Terminals: RC, R, C, W, Y, O/B, G, K, E, AUX		
Si	imple 5-Button User Interface with English, Spanish, French	Snap together design includes subbase and tool-less wiring connections		
	Jser selectable emergency heat mode IC/2H Standard AC with electric heat or 2C/3H Heat Pump with electric heat	Bard logo, White color, Square shape		
	Digital 7 day programmable, 5+1+1 or 5+2 day, or non-programmable	Temperature range: 37-102F, Adjustable temperature display F or C		
	2)AA Batteries for clock retention, non-volatile memory for all other settings Automatic or manual changeover	Size: 4-49/64"H x 4-49/64"W x 11/32"D Terminals: RC, R, C, W, Y, O/B, G, K, E, AUX, L/A, S, S		
	imple 5-Button User Interface with English, Spanish, French	Snap together design includes subbase and tool-less wiring connections		
U	Jser selectable emergency heat mode	Universal 10k input for indoor or outdoor sensor.		
	Unit service alarm input IC/2H Standard AC with electric heat or 2C/3H Heat Pump with electric heat	Bard logo, White color, Square shape		
(TH6320WF2003/V) D	Digital 7 day programmable, 5+1+1 or 5+2 day, or non-programmable	Temperature range: 37-102F, Adjustable temperature display F or C		
	No battery-24 hour clock retention, non-volatile memory for all other settings Automatic or manual changeover	Size: 4-49/64"H x 4-49/64"W x 11/32"D		
	Automatic or manual changeover Backlit Touch Screen User Interface with English, Spanish, French	Terminals: RC, R, C, W, Y, O/B, G, K, E, AUX, L/A, S, S Snap together design includes subbase and tool-less wiring connections		
	Partial or full screen lockout function with 4 pin number code	Universal 10k input for indoor or outdoor sensor.		
	Jser selectable emergency heat mode Jnit service alarm input	WiFi connection with Lyric phone application. Adaptive intelligent recovery predicts how long it takes to reach setpoint		
	/entilation on, off, auto, boost. Lockout feature prevents venting during sleep period.	User selectable alerts and maintenance reminders.		
	ADVANCED PROGRAMMABLE/NON-PROGRAMMABLE MULTI-STAGE HEAT/C	, , ,		
	C/3H Standard AC or Heat Pump, 1 or 2-stage compressors	Bard logo, White color, Horizontal mount		
	Digital 7 day programmable or 5+2 day, or non-programmable No battery-24 hour clock retention, non-volatile memory for all other settings	Temperature range: 50-99F, Adjustable temperature display F or C User selectable emergency heat mode		
A	Automatic or manual changeover; Events per day-Residential 2 or 4, Business 2	Menu Driven Security Lockout Test Mode Service Information		
	Occupancy per schedule ventilation terminal for ERV, CRV, ECON /acation Hold, Permanent Hold Fan OperationAuto-On-Programmed	Smart recovery; Intermittent Fan Option Selectable Backlight Periods30-60-90-120 Seconds, Continuous		
Si	electable Maximum Heat and Minimum Cool Settings	10k type 2 Outdoor remote sensor (optional): 8403-061 (to GND and OD)		
	Built-in De-Humidistat (configure for non-economizer), Range 45 to 90% RH Dehumidification ControlOccupied Only or Full Time Dehumidify	10K type 2 Indoor Remote Sensor (optional): 8403-062 (to GND and ID) Size: 4-3/8"H x 6-1/4"W x 1-5/16"D		
	imple 5-Button User Interface Screen Displays with RH-Temp-Mode-Fan-Menu	Terminals: C,R,G,D/Y0,Y1,Y2,W1/E,W2,O/B,A,L,GND,ID GND,OD		
U	Unit service alarm input			
ccon Tuo A	COMPLETESTAT MULTI-STAGE CONTROLL	, , ,		
	itandard AC modes: 1H/2C - 1 or 2 stage compressor w/1 or 2 stage electric heat Heat Pump modes: 3H/2C - 1 or 2 stage compressor w/1 or 2 stage electric heat	Bard logo, Off-White color, Vertical mount Temperature range: Cooling 68-90F, Heating 60F to 80F, display F or C		
N	No battery-72 hour clock retention, non-volatile memory for all other settings	User selectable emergency heat mode		
	Automatic or manual changeover, Auto, On, Programmed Fan Operation. Occupancy per schedule or motion on/off ventilation terminal for ERV, CRV, ECON	Configurable password protection w/ 3 levels of access Wide range occupancy sensor: up to 33 ft, 120° horizontal, 100° vertical		
	Programmable (7-day, 5+2, individual days, up to 12 holidays) or non-programmable	Adaptive occupancy (learning) scheduling		
	electable Maximum Heat and Minimum Cool Settings	BACnet capable for MS/TP, EIA-485 using 2-wire shielded twisted pair		
	Built-in De-Humidistat, Range 50 to 75% RH, Span 5-10% Dehumidification Control-Occupied Only or Full Time Dehumidify	10k type 2 Outdoor remote sensor (optional): 8403-061 (to GND and OAT) 10K type 2 Indoor Remote Sensor (optional): 8403-062 (to GND and REM)		
	Backlit LCD display with unit operation icons, Simple 5-Button User Interface	Size: 5.55"H x 4.19"W x 1.13"D		
	Unit service alarm input, 9 Output relays total. Built-in alarms and trend logs. NI same features as CS9B-THOA plus CO2 sensor with On/Off ventilation terminal	Terminals: D,SC,A,W2,W1/E,Y2,Y1,Y0,O/B,G,ROS,GND,REM,B,A,OAT,LAS,L,C,R Size: 5.55"H x 5.19"W x 1.43"D		
	CO2 range: 500-2000ppm, Span: 50-500ppm			
	All same features as CS9B-THOA plus Ethernet CAT 5 port for ease of networking	Size: 5.55"H x 4.19"W x 1.13"D		
CS9BE-THOCA A	All same features as CS9B-THOCA plus Ethernet CAT 5 port for ease of networking BRIGHTSTAT MULTI-STAGE CONTROLLE	Size: 5.55"H x 5.19"W x 1.43"D		
8403-083 Si	standard AC modes: 1H/2C - 1 or 2 stage compressor w/1 stage electric heat	Bard logo, White color, Vertical mount		
(BrightStat)	Heat Pump modes: 3H/2C - 1 or 2 stage compressor w/1 stage electric heat	Temperature range: Cooling 54-100F, Heating 40F to 90F, display F or C		
	No battery-72 hour clock retention, non-volatile memory for all other settings Automatic or manual changeover. Smart fan output for fan on during occupied times.	User selectable 2nd stage emergency heat mode (LUA Script file required) Configurable password 4 pin lock of configuration menu.		
0	Occupancy per schedule, on/off ventilation or modulating 0-10V output w/CO2 card.	Adaptive learning predicts how long it takes to reach setpoint.		
	Programmable (7-day, individual days) or non-programmable ielectable Maximum Heat and Minimum Cool Settings	BACnet or Modbus capable using 2-wire shielded twisted pair. 10k type 2 Outdoor remote sensor (optional): 8403-061		
	Built-in De-Humidistat, Range 30 to 95% RH, Span 5-10%	10K type 2 Indoor Remote Sensor (optional): 8403-062		
	Color Touchscreen display with multiple screen color and icon configurations.	ZigBee wireless card for wireless networking (optional): 8403-086		
	conomizer 0-10V without JADE control (LUA Script file and outdoor sensor required) Jnit service alarm input, Configurable I/O with custom LUA programming options.	CO2 control card 0-10V for use with CRV or Econ. (optional): 8612-052 Size: 4.72"H x 3.39"W x 1.06"D		
	Modulating 0-10V heat option for indoor units with hot water plenum option.	Universal Terminals: (7) relays, (4) digital outputs, (4) 0-10VDC analog outputs.		
U	All same features as 8403-083 plus motion sensor.	Wide range occupancy sensor: up to 20 ft, 120° horizontal, 30° vertical		
U M 8403-081 A	Occupancy per schedule or motion, on/off vent or modulating 0-10V output w/CO2 card.	SOBS		
U M 8403-081 A				
U N 8403-081 A (BrightStat) O	OPTIONAL HUMIDITY SEN Humidity Control w/ SPDT switching	Honeywell logo; Beige color; Horizontal or vertical mount		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN Humidity Control w/ SPDT switching Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN	Honeywell logo; Beige color; Horizontal or vertical mount		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN dumidity Control w/ SPDT switching datings: Pilot duty 50VA @ 24V,120VA @ 120/240V electronic Humidistat for Humidification and Dehumidification	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95%		
U N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN Humidity Control w/ SPDT switching Ratings: Pilot duty SOVA @ 24V,120VA @ 120/240V Electronic Humidistat for Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SENSO	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% R Bard logo; Off-white color; Vertical mount; LCD display		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN dumidity Control w/ SPDT switching latings: Pilot duty 50VA @ 24V,120VA @ 120/240V electronic Humidistat for Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SENSO 202 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V Power supply: 24Vac; Analog output: 0-10,2-10,0-5,1-5Vdc and 4-20,0-20,0-10,2-10mA	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% Bard logo; Off-white color; Vertical mount; LCD display Range: 0 to 2000ppm; Accuracy +/- 40ppm + 3% of reading		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN Humidity Control w/ SPDT switching Ratings: Pilot duty SOVA @ 24V,120VA @ 120/240V Electronic Humidistat for Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SENSO	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% Bard logo; Off-white color; Vertical mount; LCD display Range: 0 to 2000ppm; Accuracy +/- 40ppm + 3% of reading Response Time: 2-minutes for 99% step-change		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN Humidity Control w/ SPDT switching Hatings: Pilot duty SOVA @ 24V,120VA @ 120/240V Electronic Humidistat for Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SENSO CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V Ower supply: 24Vac; Analog output: 0-10,2-10,0-5,1-5Vdc and 4-20,0-20,0-10,2-10mA Default set: Close @ 1000ppm, Open @ 950ppm, independently adjustable 0-2000ppm OPTIONAL THERMOSTAT G Double wall clear acrylic construction with vents. Fits all thermostats except 8403-060.	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% R Bard logo; Off-white color; Vertical mount; LCD display Range: 0 to 2000ppm; Accuracy +/- 40ppm + 3% of reading Response Time: 2-minutes for 99% step-change UARDS Horizontal or verical mount - Medium size.		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN Humidity Control w/ SPDT switching Ratings: Pilot duty SOVA @ 24V,120VA @ 120/240V Electronic Humidistat for Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SENSO CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V Power supply: 24Vac; Analog output: 0-10,2-10,0-5,1-5Vdc and 4-20,0-20,0-10,2-10mA Default set: Close @ 1000ppm, Open @ 950ppm, independently adjustable 0-2000ppm OPTIONAL THERMOSTAT G Double wall clear acrylic construction with vents. Fits all thermostats except 8403-060. Dimensions: (Inside) 5-1/16" H x 6-1/16" W, (Outside) 6-1/2" H x 7-1/2" W x 2-15/16" D	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% R Bard logo; Off-white color; Vertical mount; LCD display Range: 0 to 2000ppm; Accuracy +/- 40ppm + 3% of reading Response Time: 2-minutes for 99% step-change UARDS Horizontal or verical mount - Medium size. Tamper-resistant keylock design, 2 keys included		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN Humidity Control w/ SPDT switching Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Electronic Humidistat for Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SENSO CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V Power supply: 24Vac; Analog output: 0-10,2-10,0-5,1-5Vdc and 4-20,0-20,0-10,2-10mA Default set: Close @ 1000ppm, Open @ 950ppm, independently adjustable 0-2000ppm OPTIONAL THERMOSTAT G Double wall clear acrylic construction with vents. Fits all thermostats except 8403-060. Dimensions: (Inside) 5-1/16" H x 6-1/16" W, (Outside) 6-1/2" H x 7-1/2" W x 2-15/16" D Double wall clear acrylic construction with vents. Fits all thermostats.	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% R Bard logo; Off-white color; Vertical mount; LCD display Range: 0 to 2000ppm; Accuracy +/- 40ppm + 3% of reading Response Time: 2-minutes for 99% step-change UARDS Horizontal or verical mount - Medium size.		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN Humidity Control w/ SPDT switching Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Electronic Humidistat for Humidification and Dehumidification EPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SENSO CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V Ower supply: 24Vac; Analog output: 0-10,2-10,0-5,1-5Vdc and 4-20,0-20,0-10,2-10mA Default set: Close @ 1000ppm, Open @ 950ppm, independently adjustable 0-2000ppm OPTIONAL THERMOSTAT G Double wall clear acrylic construction with vents. Fits all thermostats except 8403-060. Dimensions: (Inside) 5-1/16" H x 6-1/16" W, (Outside) 6-1/2" H x 7-1/2" W x 2-15/16" D Double wall clear acrylic construction with vents. Fits all thermostats. Dimensions: (Inside) 5-7/8" H x 8-3/8" W, (Outside) 7-1/4" H x 9-3/4" W x 3-3/8" D Delege painted steel cover with vents. Fits all thermostats except 8403-060.	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% R Bard logo; Off-white color; Vertical mount; LCD display Range: 0 to 2000ppm; Accuracy +/- 40ppm + 3% of reading Response Time: 2-minutes for 99% step-change UARDS Horizontal or verical mount - Medium size. Tamper-resistant keylock design, 2 keys included Horizontal or verical mount - Large size. Tamper-resistant keylock design, 2 keys included Horizontal or verical mount - Medium size.		
W N N N N N N N N N N N N N N N N N N N	OPTIONAL HUMIDITY SEN Humidity Control w/ SPDT switching Ratings: Pilot duty SOVA @ 24V,120VA @ 120/240V Electronic Humidistat for Humidification and Dehumidification EPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SENSO CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V Orower supply: 24Vac; Analog output: 0-10,2-10,0-5,1-5Vdc and 4-20,0-20,0-10,2-10mA Default set: Close @ 1000ppm, Open @ 950ppm, independently adjustable 0-2000ppm OPTIONAL THERMOSTAT G Double wall clear acrylic construction with vents. Fits all thermostats except 8403-060. Dimensions: (Inside) 5-1/16" H x 6-1/16" W, (Outside) 6-1/2" H x 7-1/2" W x 2-15/16" D Double wall clear acrylic construction with vents. Fits all thermostats. Dimensions: (Inside) 5-7/8" H x 8-3/8" W, (Outside) 7-1/4" H x 9-3/4" W x 3-3/8" D	Honeywell logo; Beige color; Horizontal or vertical mount Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% IR Bard logo; Off-white color; Vertical mount; LCD display Range: 0 to 2000ppm; Accuracy +/- 40ppm + 3% of reading Response Time: 2-minutes for 99% step-change UARDS Horizontal or verical mount - Medium size. Tamper-resistant keylock design, 2 keys included Horizontal or verical mount - Large size. Tamper-resistant keylock design, 2 keys included		

Form: #F2047-0621 Supersedes: #F2047-0221