	DETAILED THERMOSTAT/ENVIRONMENTAL	
	BASIC PROGRAMMABLE/NON-PROGRAMMABLE MULTI-STAC	•
TStat or Controller 8403-091	Standard Features 1C/1H Standard AC with 1 stage electric heat	Additional Features White color
(T701)	Non-programmable	Temperature range: 44-90F, Temperature display F
	(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
	Digital backlit display with 2-Button User Interface and fan/system switches	Snap together design
8403-089 (TH4110U2005)	1C/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
	(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
8403-095	Simple 5-Button User Interface with English, Spanish, French 1C/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
(TH4210U2002)	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	Size: 4-49/64"H x 4-49/64"W x 11/32"D
	Automatic or manual changeover Simple 5-Button User Interface with English, Spanish, French	Terminals: RC, R, C, W, Y, O/B, G, K, E, AUX Snap together design includes subbase and tool-less wiring connections
	User selectable emergency heat mode	
8403-090 (TH6320U2008)	2C/2H Standard AC with electric heat or 2C/3H Heat Pump with 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
	(2)AA Batteries for 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, E, AUX, L/A, S, S
	Simple 5-Button User Interface with English, Spanish, French User selectable emergency heat mode	Snap together design includes subbase and tool-less wiring connections Universal 10k input for indoor or outdoor sensor.
	Unit service alarm input	
8403-092	2C/2H Standard AC with electric heat or 2C/3H Heat Pump with electric heat	Bard logo, White color, Square shape
(TH6320WF2003/V)	Digital 7 day programmable, 5+1+1 or 5+2 day, or non-programmable No battery-24 hour clock retention, non-volatile memory for all other settings	Temperature range: 37-102F, Adjustable temperature display F or C 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, E, AUX, L/A, S, S
	Backlit Touch Screen User Interface with English, Spanish, French Partial or full screen lockout function with 4 pin number code	Snap together design includes subbase and tool-less wiring connections
	User selectable emergency heat mode	Universal 10k input for indoor or outdoor sensor. WiFi connection with Lyric phone application.
	Unit service alarm input	Adaptive intelligent recovery predicts how long it takes to reach setpoint
	Ventilation on, off, auto, boost. Lockout feature prevents venting during sleep period.	User selectable alerts and maintenance reminders.
8403-060	ADVANCED PROGRAMMABLE/NON-PROGRAMMABLE MULTI-STAGE HEAT/ 3C/3H Standard AC or Heat Pump, 1 or 2-stage compressors	COOL & HEAT PUMP THERMOSTATS (Non-Communicating) Bard logo, White color, Horizontal mount
(1120-445)	Digital 7 day programmable or 5+2 day, or non-programmable	Temperature range: 50-99F, Adjustable temperature display F or C
	No battery-24 hour clock retention, non-volatile memory for all other settings	User selectable emergency heat mode
	Automatic or manual changeover; Events per day-Residential 2 or 4, Business 2 Occupancy per schedule ventilation terminal for ERV, CRV, ECON	Menu Driven Security Lockout Test Mode Service Information Smart recovery; Intermittent Fan Option
	Vacation Hold, Permanent Hold Fan OperationAuto-On-Programmed	Selectable Backlight Periods30-60-90-120 Seconds, Continuous
	Selectable 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
	Simple 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
	Unit service alarm input	
	COMPLETESTAT MULTI-STAGE CONTRO	
CS9B-THOA	Standard 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
	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.	Configurable password protection w/ 3 levels of access
	Occupancy per schedule or motion on/off ventilation terminal for ERV, CRV, ECON Programmable (7-day, 5+2, individual days, up to 12 holidays) or non-programmable	Wide range occupancy sensor: up to 33 ft, 120° horizontal, 100° vertical Adaptive occupancy (learning) scheduling
	Selectable 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.	Terminals: D,SC,A,W2,W1/E,Y2,Y1,Y0,O/B,G,ROS,GND,REM,B,A,OAT,LAS,L,C,R
CS9B-THOCA	All same features as CS9B-THOA plus CO2 sensor with On/Off ventilation terminal	Size: 5.55"H x 5.19"W x 1.43"D
CS9BE-THOA	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	All same features as CS9B-THOCA plus Ethernet CAT 5 port for ease of networking	Size: 5.55"H x 5.19"W x 1.43"D
	BRIGHTSTAT MULTI-STAGE CONTROLI	LERS (Communicating)
8403-083	Standard AC modes: 1H/2C - 1 or 2 stage compressor w/1 stage electric heat Heat Pump modes: 3H/2C - 1 or 2 stage compressor w/1 stage electric heat	Bard logo, White color, Vertical mount
(BrightStat)	No battery-72 hour clock retention, non-volatile memory for all other settings	Temperature range: Cooling 54-100F, Heating 40F to 90F, display F or C User selectable 2nd stage emergency heat mode (LUA Script file required)
	Automatic or manual changeover. Smart fan output for fan on during occupied times.	Configurable password 4 pin lock of configuration menu.
	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 Selectable 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 CO2 control card 0-10V for use with CRV or Econ. (optional): 8612-052
	Economizer 0-10V without JADE control (LUA Script file and outdoor sensor required) Unit service alarm input, Configurable I/O with custom LUA programming options.	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.
8403-081 (BrightStat)	All same features as 8403-083 plus motion sensor.	Wide range occupancy sensor: up to 20 ft, 120° horizontal, 30° vertical
(BrightStat)	Occupancy per schedule or motion, on/off vent or modulating 0-10V output w/C02 card. OPTIONAL HUMIDITY S	ENSORS
8403-038	OF HOIVAL HOIVIDITY 3	Honeywell logo; Beige color; Horizontal or vertical mount
	Humidity Control w/ SPDT switching	noneyweiriogo, beige color, nonzontaror verticarmount
(H600A1014)	Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V	Humidity range: 20 to 80% RH
(H600A1014) 8403-047	Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Electronic Humidistat for Humidification and Dehumidification	Humidity range: 20 to 80% RH Beige color; Vertical mount
(H600A1014)	Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Electronic Humidistat for Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95%
(H600A1014) 8403-047	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 SEN	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% SOR
(H600A1014) 8403-047 (VH7200A1000)	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 SEN CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V 2 Power supply: 24Vac; Analog output: 0-10,2-10,0-5,1-5Vdc and 4-20,0-20,0-10,2-10mA	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% SOR Bard logo; Off-white color; Vertical mount; LCD display Range: 0 to 2000ppm; Accuracy +/- 40ppm + 3% of reading
(H600A1014) 8403-047 (VH7200A1000) 8403-096	Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Electronic Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SEN: CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V 2 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	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% SOR 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
(H600A1014) 8403-047 (VH7200A1000) 8403-096 (CDT-2W40-LCD-RLY-00)	Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Electronic Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SEN: CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V 2 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	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% SOR 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 GUARDS
(H600A1014) 8403-047 (VH7200A1000) 8403-096 (CDT-2W40-LCD-RLY-00: 8405-003	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 SEN CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V 2) 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 Double wall clear acrylic construction with vents. Fits all thermostats except 8403-060.	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% SOR 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 'GUARDS Horizontal or verical mount - Medium size.
(H600A1014) 8403-047 (VH7200A1000) 8403-096 (CDT-2W40-LCD-RLY-00) 8405-003 (TG511A1018) 8405-005	Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Electronic Humidification and Dehumidification Electronic Humidification and Dehumidification Electronic Humidification and Dehumidification DEPLOME To Provide the temportal display, Humidity sensor calibration OPTIONAL C02 SEN 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 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.	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% SOR 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 'GUARDS Horizontal or verical mount - Medium size. Tamper-resistant keylock design, 2 keys included Horizontal or verical mount - Large size.
(H600A1014) 8403-047 (VH7200A1000) 8403-096 (CDT-2W40-LCD-RLY-00) 8405-003 (TG511A1018) 8405-005 (TG512A1009)	Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Electronic Humidification and Dehumidification Electronic Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL C02 SEN: CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V 2 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 Detail set: Close @ 1000ppm, Open @ 950ppm, independently adjustable 0-2000ppm Duble 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. Double wall clear acrylic construction with vents. Fits all thermostats. Double wall clear acrylic construction with vents. Fits all thermostats. Double wall clear acrylic construction with vents. Fits all thermostats. 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	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% SOR 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 GUARDS 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
(H600A1014) 8403-047 (VH7200A1000) 8403-096 (CDT-2W40-LCD-RLY-00: 8405-003 (TG511A1018) 8405-005 (TG512A1009) 8405-006	Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Return 120VA @ 120/240V Electronic Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL CO2 SEN: 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 Double wall clear acrylic construction with vents. Fits all thermostats except 8403-060. Double wall clear acrylic construction with vents. Fits all thermostats. 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 Beige painted steel cover with vents. Fits all thermostats Beige painted steel cover with vents. Fits all thermostats	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% SOR 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 GUARDS 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.
(H600A1014) 8403-047 (VH7200A1000) 8403-096 (CDT-2W40-LCD-RLY-00) 8405-003 (TG511A1018) 8405-005 (TG512A1009)	Ratings: Pilot duty 50VA @ 24V,120VA @ 120/240V Electronic Humidification and Dehumidification Electronic Humidification and Dehumidification EEPROM memory, lockable keypad, digital display, Humidity sensor calibration OPTIONAL C02 SEN: CO2 Control w/ Normally Open SPST relay (close on rise), 2A @ 24V 2 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 Detail set: Close @ 1000ppm, Open @ 950ppm, independently adjustable 0-2000ppm Duble 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. Double wall clear acrylic construction with vents. Fits all thermostats. Double wall clear acrylic construction with vents. Fits all thermostats. Double wall clear acrylic construction with vents. Fits all thermostats. 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	Humidity range: 20 to 80% RH Beige color; Vertical mount Humidify range: 10 to 90%, Dehumidify range: 15 to 95% SOR 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 GUARDS 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