



COMMERCIAL PROGRAMMABLE THERMOSTAT

TSTATBBPCM01-B

The Bryant Commercial Programmable Thermostat provides the following features and benefits:

- remote sensing and averaging
- compatible with electric heat, gas heat, and heat pump operation
- keypad lockout security
- heating/cooling set points and lockout
- four-period, 7-day programmable clock
- auto-changeover
- smart recovery (heating only)
- clean filter indicator
- non-volatile memory (no batteries necessary)
- single or 2-compressor operation

FEATURES/BENEFITS

Bryant's 7-day commercial programmable thermostats are wall-mounted, low-voltage thermostats which maintain room temperature by controlling operation of an HVAC (Heating, Ventilation, and Air Conditioning) system. Separate heating and cooling set points and auto-changeover capability allow occupied and unoccupied programming for energy savings.

All thermostats allows up to 4 time and temperature settings to be programmed per 24-hour period. Each thermostat stores schedules for 7 independent days. Batteries are not required. During power interruption, the internal memory stores comfort schedules for an unlimited time while the clock will continue to run for at least 72 hours.

The thermostat can be configured to accept several different equipment configurations, from single-stage heating and cooling to 3 stages of heating and 2 stages of cooling. The thermostat comes factory-set for 2 stages of heating and 2 stages of cooling.

REMOTE TEMPERATURE SENSING provides remote sensing of critical spaces where public access to the thermostat is not desired. Typical applications would include retail stores, public areas, classrooms, and other areas where the thermostat will be mounted away from the controlled space.

SENSOR AVERAGING allows the temperature readings of the remote room sensor and the thermostat sensor to be averaged.

A 7-DAY CLOCK is provided with 2 occupied and 2 unoccupied time periods for scheduling of heating and cooling set points. Occupied and unoccupied schedules allow for energy savings by changing set points during time periods when the zone is normally unoccupied.

CONTINUOUS FAN OPERATION during occupied periods meets typical commercial requirements. The fan will only cycle on and off during unoccupied time periods.

SMART RECOVERY is a heating only function that will transition the space into the next programmed set point of the schedule as efficiently as possible. If the desired temperature is changed, the Smart Recovery function is cancelled and the desired temperature returns to the programmed set point.

POWER OUTAGE MEMORY PROTECTION on the thermostat eliminates the need to reprogram the thermostat after power outages. Comfort programming will remain intact indefinitely. Clock and day settings will be retained for a minimum of 72 hours.

KEYPAD LOCKOUT protects against unauthorized usage of the thermostat. The 2-level security adjustment eliminates the need for bulky and unattractive locking covers. Schedules, set points, and thermostat configurations are protected by locking out keypad operation. A simple button sequence unlocks the keypad and allows access to configuration, set point, and scheduling information.

COOLING LOCKOUT FUNCTION provides a means to lock out mechanical cooling if the outside-air temperature drops below a pre-determined set point.

HEATING LOCKOUT FUNCTION provides a means to lock out the second stage of heating if the outside-air temperature rises above a pre-determined set point.

SPECIFICATIONS

Recommended Wiring	18 AWG (100 ft max)
Operating Temperature F (C)	32 to 104 (0 to 40)
Storage Temperature F (C)	-40 to 135 (-40 to 57)
Operating Relative Humidity	0 to 95% (non-condensing)
Dimensions (in.)	7 ¹ / ₂ x 4 ¹ / ₄ x 1 ¹ / ₂
Power	5 va at 24 vac, 50/60 Hz

LEGEND

AWG — American Wire Gage

PRODUCT STANDARDS

FCC Part 15J

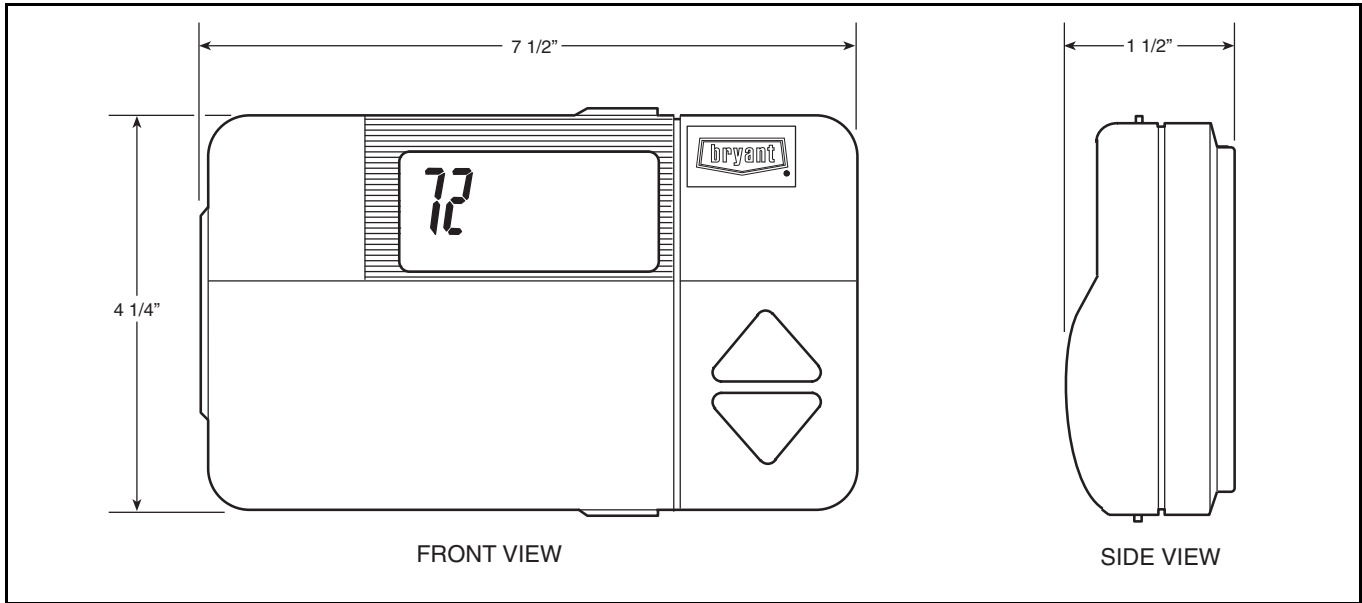
UL 1995

Title 24

CE Mark

NOTE: This control is considered a low voltage device by UL (Underwriters' Laboratories) and therefore does not require UL or CSA (Canadian Standards Association) approval.

DIMENSIONS



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
UNIT MUST BE INSTALLED IN ACCORDANCE
WITH INSTALLATION INSTRUCTIONS

