

# UNDERFLOOR AIR DISTRIBUTION — BACNET ZONE CONTROLLER

BACnet® MS/TP Networked Thermostat | VAV Zone Control | PI Algorithm

## PRODUCT DESCRIPTION

The BACnet Zone Controller is a BACnet® MS/TP networked device providing control of local Variable Air Volume (VAV) equipment with or without local reheat, using an on/off, floating, or proportional 0–10 VDC control input. BACnet MS/TP communication enables remote monitoring and programmability for efficient space temperature control. An intuitive backlit display makes setup and operation quick and easy. A Proportional-Integral (PI) time-proportioning algorithm virtually eliminates temperature offset. Includes a 38" temperature sensor and, when connected to the BMS, allows two control points per server pack.



## CAPABILITIES AT A GLANCE

FEATURE	DETAIL
<b>BACnet MS/TP Communication</b>	Widely accepted by HVAC BAS suppliers; compatible with major control platforms
<b>Backlit LCD Display</b>	Real-time zone status in plain text; brightens during user interaction
<b>Control Signal Types</b>	On/Off, Floating, or Proportional 0–10 VDC
<b>Setpoint Adjustment</b>	Simplified access for temporarily overriding unoccupied mode
<b>Binary Inputs</b>	Two (2) configurable — remote night setback, service/filter alarms, motion detector, window status
<b>Configurable Parameters</b>	20+ parameters; installer access without opening thermostat cover
<b>Temperature Algorithm</b>	Proportional-Integral (PI) time-proportioning — eliminates temperature offset
<b>Temperature Sensor</b>	38" sensor cable included for direct placement
<b>BMS Integration</b>	Acts as sensor when connected to BMS; two control points per server pack

## KEY FEATURES

- BACnet® MS/TP networked — compatible with major HVAC BAS platforms
- Backlit LCD for at-a-glance zone status
- On/Off, Floating, or 0–10 VDC proportional control output
- PI algorithm eliminates temperature offset associated with differential-based thermostats
- Two configurable binary inputs for extended zone control
- 20+ configurable parameters via installer interface (no cover removal required)
- Includes 38" temperature sensor for direct placement
- Dual-point BMS control capability per server pack