



TotalAlert Embedded with BACnet SPECIFICATION

TotalAlert Embedded Controls

BEACONMEDÆS is a registered supplier of BACnet devices, registration number 543. The BEACONMEDÆS TotalAlert Embedded control systems utilize the TCP/IP family of protocols for communication and each device has a unique IP address. Each BACnet enabled TotalAlert Embedded device conforms to the BACnet protocol.

Protocol Implementation Conformance Statement

Each BACnet enabled TotalAlert Embedded device has available a Protocol Implementation Conformance Statement (PICS). The PICS is a written document created by BEACONMEDÆS that identifies the particular options specified by BACnet that are implemented in the TotalAlert Embedded device.

BACnet Conformance

BACnet Vendor ID: 543

Device Profile: BACnet Smart Sensor (B-SS)

BIBB (BACnet Interoperability Building Blocks) Supported:

- Read Property - B (DS-RP-B)
- Dynamic Device Binding - B (DM-DDB-B)
- Dynamic Object Binding - B (DM-DOB-B)

Object Type Support: Analog value, Binary value, Device, Multi-State value, Integer value, and Positive Integer value.

Data Line Layer Options: ISO 8802-3 ("Ethernet") LAN

Character Set Support: ISO 10646 (UTF-8) Encoding

How to Order	
Part Number	Description
☐ 4107 5590 00	TotalAlert Embedded Scroll Air BACnet Activation
☐ 4107 5590 10	TotalAlert Embedded Claw Vacuum BACnet Activation
☐ 4107 5590 11	TotalAlert Embedded Lube Vane Vacuum BACnet Activation

Note: For TAe air/vac systems already on site, provide the system serial number when ordering.

Example of PICS with TotalAlert Embedded

Note: Items listed below are common functions found in BEACONMEDÆS TotalAlert Embedded air systems and/or vacuum systems. Not all parameters are applicable to a specific type of system.

Analog Values:

- System pressure or system vacuum
- System hours
- Unit running hours (each unit)
- Dryer hours (each unit)

Integer Values:

- Ambient temperature
- Dew point
- Cabinet temperature

Positive Integer Values:

- CO level
- VSD speed
- Dryer cycles (each unit)
- System alarms
- System service
- System shutdowns
- Name of system alarm
- Name of system shutdown
- Unit alarms (each unit)
- Unit service (each unit)
- Unit shutdown (each unit)
- Unit run mode (each unit)
- Unit sequence (each unit)
- Operation mode (each unit)
- Name of unit alarm (each unit)
- Name of unit shutdown (each unit)
- Dryer operation mode (each unit)
- Dryer tower mode (each unit)