

BMS Submittal



atmosphere is everything

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Model Number	Description	Heat Type	Applies To
Building Management System Options			
BMS-300	Accessory, BMS Adder for Monitor & Control	Electric Heated	Electric heated air curtain
BMS-301	Accessory, BMS Adder for Monitor Only	Unheated	Motor Control Panel with 24v circuit
BMS-302	Accessory, BMS Adder for Control Only	Unheated	Motor Control Panel with 24v circuit
BMS-303	Accessory, BMS Adder for Monitor & Control	Unheated	Motor Control Panel with 24v circuit
BMS-304	Accessory, BMS Adder for Monitor Only	HW/S, IDF, Elec Heat BD/WM	Motor Control Panel with 24v circuit
BMS-305	Accessory, BMS Adder for Control Only	HW/S, IDF, Elec Heat BD/WM	Motor Control Panel with 24v circuit
BMS-306	Accessory, BMS Adder for Monitor & Control	HW/S, IDF, Elec Heat BD/WM	Motor Control Panel with 24v circuit
BACnet Options			
INS-BN	Accessory, Unit Mounted, BACnet MS/TP Ctrl & Dry Contacts for Monitor	Electric Heated	Electric heated air curtain
MCP-BN	Accessory, Panel Mtd, BACnet MS/TP & Dry Contacts for Monitor (4 Mtrs Max)	Unhtd, HW/S, IDF, Elec Heat BD/WM	Motor Control Panel with 24v circuit
SK-BN	Accessory, Unit/Panel Mounted, SimpleLink w/ BACnet MS/TP	Unhtd, Elec Heat, HW/S	Air curtain with SimpleLink Controller
SK-BN-IP	Accessory, Unit/Panel Mounted, SimpleLink w/ BACnet IP	Unhtd, Elec Heat, HW/S	Air curtain with SimpleLink Controller

Features:

- ❖ Fully factory assembled and wired inside the control panel or air curtain
- ❖ Labelled terminals or wires provided for easy field wiring

BMS Option (BMS-30*)

- ❖ Integrate air curtain control panel with Building Management System (BMS) control sequence
- ❖ Motor Control – 24Vac signal is provided from the control panel to a dry contact in the BMS for Motor on/off control
- ❖ Heater Control – 24Vac signal is provided from the control panel to a dry contact in the BMS for Heater on/off control
- ❖ Motor Monitor – Voltage free dry contact provided in the control panel to receive control signal from the BMS to monitor motor on/off status
- ❖ Heater Monitor – Voltage free dry contact provided in the control panel to receive control signal from the BMS to monitor heater on/off status

BACnet Option (INS-BN & MCP-BN)

- ❖ Integrate air curtain control panel with BACnet MS/TP communication protocol
- ❖ Motor Control – BACnet MS/TP relay device provided for on/off control
- ❖ Heater Control – BACnet MS/TP relay device provided for on/off control
- ❖ Motor Monitor – Voltage free dry contact provided in the control panel to receive control signal from the BMS to monitor motor on/off status
- ❖ Heater Monitor – Voltage free dry contact provided in the control panel to receive control signal from the BMS to monitor heater on/off status

SimpleLink with BACnet Option (SK-BN & SK-BN-IP)

- ❖ Integrate air curtain SimpleLink controller with BACnet MS/TP or IP communication protocol
- ❖ All SimpleLink features are configurable though BACnet MS/TP or IP
 - ❖ Motor on/off control
 - ❖ Motor speed control**
 - ❖ Heat on/off control
 - ❖ High/low heat
 - ❖ Temperature set point
 - ❖ Adjustable time delay to minimize unit cycle during busy operational periods
 - ❖ Heat on Demand Mode to regulate the space temperature
 - ❖ Eco Mode to maximize energy savings for milder conditions

** Not applicable for LPV2 series and air curtains with VFD. Manual control only.

NOTE: MARS AIR SYSTEMS, LLC reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions, or replacements for previously purchased equipment.