

Mars SimpleLink r2 Controller



atmosphere is everything

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SimpleLink r2®

Part #	Series	Heat Type	Mounting (Controller)	Electrical Ratings	Description
SK-UU	LPV2, STD2, QP10, PH	Unheated *	Integrated Controls	115v/1Ø – 230v/1Ø, up to 3 Motors, 1.5 HP max	Unit mounted controls with 3 speed option (2 speed for PH12)
SK-URV ‡	STD2, QP10, PH			208v/3Ø – 575v/3Ø, up to 4 Motors	Unit mounted controls with 10 speeds. VFD factory mounted on the right side. ‡
SK-EU †	LPV2, STD2, QP10, PH	Electric Heated §	Integrated Controls	208v/1Ø – 575v/3Ø (Additional 115v/1Ø – 230v/1Ø power required for 460v – 575v), up to 4 Motors	Unit mounted controls with 2 speed option.
SK-EUV ‡	STD2, QP10, PH			208v/1Ø – 575v/3Ø, up to 4 Motors	Unit mounted controls with 10 speeds. VFD factory mounted on the right side. ‡
SK-HU	LPV2, STD2, QP10, PH	Hot Water/Steam Heated	Remote Mounted Panel	115v/1Ø – 230v/1Ø, up to 3 Motors, 1.5 HP max	Remote mounted controls with 2 speed option.
SK-HUV	STD2, QP10, PH			208v/3Ø – 575v/3Ø, up to 4 Motors	Remote mounted controls and VFD with 10 speeds.

* Unheated SimpleLink accessory will use deeper LPV2 and STD2 housing. LPV2 will be 11 3/4" deep and STD2 will be 17 3/8" deep.

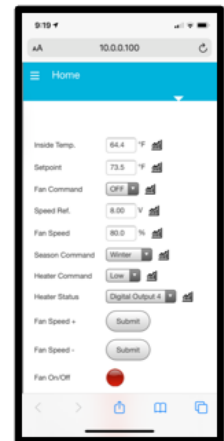
† SK-EU with 2-speed option for 460v/3Ø and 575v/3Ø will require additional 115v/1Ø or 208-230v/1Ø power for the motor.

‡ Unit mounted Variable Frequency Drive (VFD). Air curtain requires 15" – 20" service clearance on the right-hand side.

§ Filters are not applicable for electric heat. High/Low heat option is not applicable for 1Ø electric heat.

Standard Features, SK Controller:

- ❖ Wireless interface with air curtain with filed supplied Smartphone, tablet, or computer
- ❖ Factory built wireless router with over 50 feet range
- ❖ Easy to connect and to control via any browser (no download needed)
- ❖ Ability to set unique ID for each controller (multiple air curtain can be controlled from one device)
- ❖ Adjustable time delay mode to minimize unit cycling during busy operational period to prevent premature unit failures
- ❖ Eco Mode to maximize energy savings for milder conditions
- ❖ Smart Delay adapts the time delay setting based on door traffic conditions
- ❖ Heat on Demand Mode to regulate the space temperature
- ❖ Passcode Protected
- ❖ 24/7/365 Timer
- ❖ Field adjustable set points for temperature, heat, and fan
- ❖ Maintenance schedule alert
- ❖ Emergency shut-off button
- ❖ Unheated air curtains require protection from direct elements for outdoor use
 - Indoor use only for heated air curtains
- ❖ 1-year parts warranty



SimpleLink r2 Interface
(Phone/Tablet)

Options and Accessories (Requires SK Controller):

- ❖ SK-ACC-HMI, Accessory, SimpleLink with Remote Mounted 7" touch panel screen (12"x12"x6" Enclosure), Requires SK Ctrl
 - Controls up to 8 units with SimpleLink2
- ❖ SK-ACC-MSTP, Accessory, Kit, SimpleLink, BACnet MS/TP, Requires SK Ctrl
 - SimpleLink with BACnet
 - Interface format: BACnet MS/TP, Requires SK Ctrl
- ❖ SK-ACC-IP, Accessory, Kit, SimpleLink, BACnet IP
 - SimpleLink with BACnet
 - Interface format: BACnet IP
- ❖ SK-ACC-SC, Accessory, Kit, SimpleLink, Adaptive Motor Speed and Heat Output Control, Requires SK Ctrl
 - Smart Control
 - Adaptive fan and heat setting based on local space conditions
 - External and field mounted temperature sensors required for sensing outdoor conditions
- ❖ BMS-*, BMS monitor and control for unheated (*303), electric heated (*300) or HW/S heated (*306)
 - Dry contact provided in panel for monitoring Motor and Heat
 - 24VAC signal provided from panel for controlling Motor and Heat

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