

# 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.

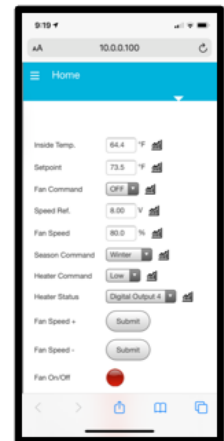
† SK-EU with 2-speed option for 460v/3Ø and 575v/3Ø will require additional 115v/1Ø or 208-230v/1Ø power for the motor.

‡ 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
- ❖ BACnet Options
  - SK-ACC-MSTP, Accessory, Kit, SimpleLink, BACnet MS/TP, Requires SK Ctrl
    - Interface format: BACnet MS/TP
  - SK-ACC-IP, Accessory, Kit, SimpleLink, BACnet IP, Requires SK Ctrl
    - 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

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.