



www.Berner.com

## Industrial Air Curtain with Intelliswitch™

WHEN THE DOORS ARE OPEN™ save energy & create healthy, comfortable environments

### **This air curtain comes with the Berner Intelliswitch™ Digital Controller**

**built-in to control and schedule fan activation, fan speed selection, and heat activation.**

**If the optional Berner AIR™ system (smart controller and app) was ordered, it includes additional features such as BACnet capability. The air curtain must be properly installed before either of these can be used.**

### **A. GENERAL OPERATIONS**

1. To operate using the built-in Intelliswitch digital controller, proceed to the Quick Start Operation Guide.  
NOTE: For a detailed Intelliswitch Programming Guide, go to [www.Berner.com/Intelliswitch](http://www.Berner.com/Intelliswitch)
2. Unheated units will have the fans activated by a door switch or sensor. The unit speed can be selected via the Intelliswitch™ display or the Berner AIR App\*
3. Heated units will have fans activated by a door switch or sensor, but may also be activated by the thermostat in Comfort Plus Mode. The unit's speed can be selected via the Intelliswitch display or the Berner AIR App.\*
4. To operate using the Berner AIR™ App\*, download the app and follow the prompts. Requires on-site, secure wi-fi connection. Berner recommends having the on-site user(s) set-up the Berner AIR™ App on his/her smart phone.
5. To operate using BACnet-IP client, download the Berner AIR™ App\*. In the settings menu of the app, select the BACnet option. Follow the prompts to configure the BACnet controller.  
To connect via wire, see Appendix BACnet-IP Integration.

**\*NOTE: The air curtain must have been ordered from the factory with the Berner AIR (smart controller & App) option.**

### **WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:**

- A. Read all instructions before installing or using this air curtain.
- B. Use this unit only in the manner intended by the manufacturer and described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons. If you have any questions, contact the manufacturer.
- C. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
- D. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable national and local codes having jurisdiction, including fire-rated construction. See page 5, ELECTRICAL CONNECTIONS (NEC Code ANSI/NFPA No. 70).
- E. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- F. To reduce the risk of fire, do not store or use gasoline or other flammable vapors and liquids in the vicinity of the air curtain.
- G. This air curtain is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, etc. and curtains at least 1 inch from the top, back, front, sides and at least 6 feet from the discharge of the air curtain.
- H. Extreme caution is necessary when any air curtain is used by or near children or invalids, and whenever the heater is left operating unattended.
- I. Do not operate any air curtain after it malfunctions. Disconnect power at the service panel and have the air curtain inspected by a reputable electrician before reusing.
- J. To disconnect the air curtain, turn controls to "off", and turn off power to the air curtain circuit at main disconnect panel.
- K. Do not insert or allow foreign objects to enter any ventilation or discharge opening as this may cause an electric shock or fire, or damage the air curtain.
- L. To prevent a possible fire, do not block the air intake or discharge of the air curtain in any manner.
- M. The air curtain has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable vapors or liquids are used or stored.
- N. This heater may include an audible or visual alarm to warn that parts of the heater are getting excessively hot. If the alarm sounds (or illuminates), immediately turn the heater off and inspect for any objects on or adjacent to the heater that may have blocked the airflow or otherwise caused high temperatures to have occurred. DO NOT OPERATE THE HEATER WITH THE ALARM SOUNDING (OR ILLUMINATING).

### **Thank you for choosing Berner.**

Berner International has been saving energy and creating healthy, comfortable environments for our customers for over 60 years. Berner offers unmatched quality, performance, and dependability—not to mention our service. At Berner, we stand behind our products.



**READ ALL INSTRUCTIONS BEFORE INSTALLING OR USING AIR CURTAIN**

December, 2022

# QUICK START INSTRUCTIONS

For your *Berner Air Curtain with Intelliswitch™ Gen4*

[www.Berner.com/intelliswitch](http://www.Berner.com/intelliswitch)



**NOTE** – to navigate, use ▲ ▼ to select setting  
use + – to change setting,  
then press ✓ to enter the setting.

**Stop:** Immediately stops the air curtain and changes mode to **OFF**

**"i":** info button provides controller status and diagnostic data

## Mode/Fan Speed:

**Mode:** Select your mode of operation (see next page)

**Fan Speed:** Sets the fan speed

**Delay Time:** Sets the amount of time the air curtain runs after the door closes

**Temp Set:** Sets the temperature the air curtain will maintain (heated units only)

**Start Time:** Programs the time of day the air curtain becomes active

**Stop Time:** Programs the time of day the air curtain stops running

**Set Time/Day:** Sets the clock time and day (used by programming)

**Locked:** Unit will run as programmed but settings cannot be changed

**NOTE:** Start/Stop time must be the same for the air curtain to operate continuously.

## IMPORTANT NOTE!

If your air curtain unit is in "Locked" mode when you receive it:

Press and hold the + for 5 seconds to unlock.

## STEP ONE





**To Start:** Press the down arrow button once.

*NOTE: To change from "Mode" to "Fan Speed" press the down arrow twice.*

## STEP TWO



Use the   buttons to scroll through the available modes of operations.



### ***Standard Mode of Operation Options:***

**OFF**

**Door opens:** The air curtain is off.

**Door shuts:** The air curtain is off.

**ON**

**Door opens:** The air curtain activates immediately when mode is selected.

**Door shuts:** The air curtain continues to run.

**AUTO**

**Door opens:** The air curtain activates.

**Door shuts:** The air curtain turns off, after time delay expires.

**PLUS**

*For heated units only*

**Door opens:** The air curtain and heater (if temperature is below thermostat setting) activate and run at set speed.

**Door shuts:** The air curtain turns off after the time delay expires. If thermostat is not satisfied, air curtain and heater continue to run until the thermostat is satisfied. If the thermostat drops below set temperature, the heater and air curtain will activate and run on a low speed until the thermostat is satisfied.


### ***Customizable Mode of Operation Options:***

See [www.berner.com/intelliswitch](http://www.berner.com/intelliswitch) for programming directions

(Section 5, Program Menu).

## STEP THREE

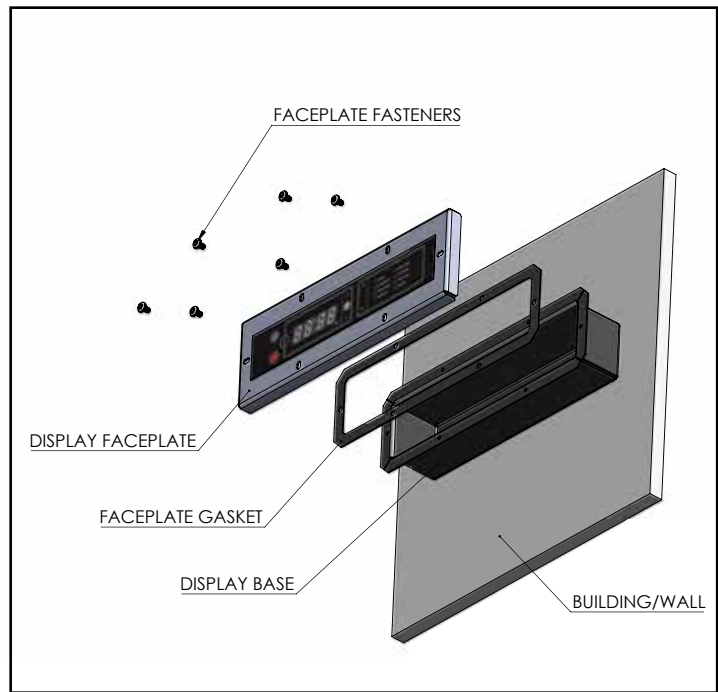


Once the **Mode of Operation** is selected, press the  button.

## APPENDIX

### Industrial Intelliswitch - Remote Display

1. Determine the placement of the display. The maximum distance from the control panel is approximately 18 feet.
2. Remove the (6) Torx Head Screws that hold the faceplate and gasket onto the base.
3. It is the installing contractor's responsibility to attach the base to the building in accordance with the AHJ and requirements of the projects.
4. Mount the base and route the display cable (found coiled up in the control panel) to it.
5. It is the installing contractor's responsibility to pierce the base and provide a connection in accordance with the requirements of the AHJ and the project.
6. Route the display ribbon cable into the display base and connect it to the display circuit board.
7. Reinstall the (6) Torx Head Fasteners. Be sure the gasket is properly positioned between the display faceplate and base. Torque the fasteners to 15 in-lbs.



### BACnet-IP Integration

If this unit is equipped with the Berner AIR™ (smart controller & app), then it is BACnet compatible.

1. To connect wirelessly to the Building Management System using BACnet-IP – download the Berner AIR App, pair the air curtain to the app and then in the settings menu select the BACnet option. Follow the prompts to configure the BACnet controller.
2. To connect via wire: this air curtain includes an ethernet connection in the wiring compartment to connect to the Building Management System via BACnet-IP. Connect a CAT 5 ethernet cable (provided by others). Once wired, download the Berner AIR™ App, pair the air curtain to the app and then in the settings menu select the BACnet option. Follow the prompts to configure the BACnet controller.

*For Serial Network Connection, see [www.Berner.com](http://www.Berner.com)*