

# FORSPARK®

## LED Digital Control Series Dry Cabinet Instruction Manual



For Model Numbers: FSDCBLK30 FSDCBLK50 FSDCBLK80  
Item pictured may differ from actual product, function and operation are the same.

THANK YOU FOR CHOOSING FORSPARK LED DIGITAL CONTROL DEHUMIDIFICATION DRY CABINET. PLEASE READ THE FOLLOWING INSTRUCTIONS BEFORE USING YOUR NEW DRY CABINET.

### IMPORTANT NOTE BEFORE USE

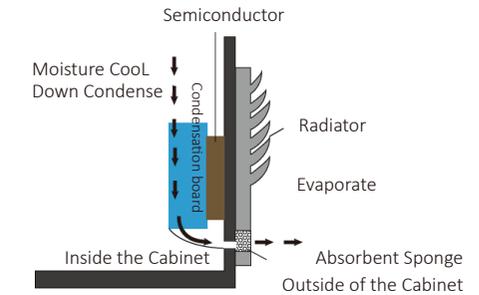
1. For some models, the cabinets are shipped with the handle installed on the inner position of the door to prevent damage. Fix it by using a screwdriver.
2. Place the cabinet in a location away from air outlet such as air-conditioner and extractor fan, under the fan, at the door and in the place of heavy smog and high moisture.
3. Please keep the cabinet away from sunlight, high temperature, and heat source.
4. There should be a minimum of 5 inches away from the wall.
5. It is ideal to run more than 8 hours with empty container when first time using this dry cabinet or unused for a long time until the humidity has moved down to lower level.
6. Unplug to the wall outlet when not in use.
7. Do not place anything on top of the cabinet
8. It takes time to reach to the set point when storing a large quantity of items or high moisture in them when first time using.
9. The dry cabinets are designed to maintain relative humidity between 25% and 60%. The unit does not create humidity, when the ambient humidity is lower than the set point, the internal humidity level will be lower than the set point.
10. The internal temperature of the dry cabinet can be monitored but can't be controlled.
11. In order to ensure the best dehumidification result, make sure that the cabinet door seals tightly.
12. It is normal phenomenon that the internal humidity level has increased when the cooling air goes into the cabinet after the door opened. The longer time the door opened, the higher humidity will be increased.
13. Do not dismantle the controller by yourself. We won't take the responsibility for the danger or product damage that fails to comply with this point.

### PRODUCT FEATURES

1. Rapid Dehumidification: thermoelectric cooling technology is quick and heatless which protects your items from moisture, moth, mildew, rust, dust, mold, fungus, rust, oxidation, warping etc.
2. Safety and Silent Operation with Low Power Consumption: direct current input is safe, quiet, no leakage risks and potential fire danger. Power saving requires only 8 watts of power. You can place it in your bedroom without worrying the radiation and wake up you baby.
3. Built-in Hygrometer in High Accuracy Humidity Control: you can control the relative humidity level inside the unit in the range of 25% to 60% Germany imports humidity sensor offers accurate humidity control with  $\pm 3\%$  differ.
4. Easy to Use: dehumidification begins when power is supplied. Adjustable shelves for easy storage and retrieval. LED light display can be turn ON/OFF and dark and bright which will not dazzle your eyes at night. Durable toughened glass of magnetic cabinet door is sealing tightly.
5. Maintenance Free: Just plug in the dry cabinet and it works automatically. No water tanks to empty, pipe to route or consumable to replace.

### HOW IT WORKS

1. When the unit started, the moisture pulled from the air that condensed into water on the condensation board. The water drains into a hose and then absorbed by the absorbent sponge.
2. The semi-conductor wafers have thermoelectric cooling characteristics. This prevents overheating, noise, power consumption.



### METHOD OF ARTICLE STORAGE

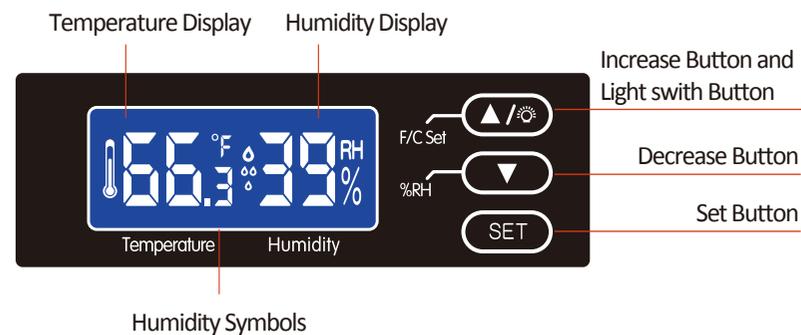
1. Leave proper space for the items and exhaust vent should not be jammed by tiny things which may reduce performance.
2. For longer service of the cabinet or best performance result, pack them closely when storing foods and chemicals to prevent the odor escaping from the package.
3. Do not put any corrosive, dangerous, volatile or flammable articles inside the cabinet.
4. Please check the humidity level regularly if it is in the ideal working condition. If not, please reset.

### STORAGE HUMIDITY REFERENCE

Relative Humidity RH%	Suitable Storage of items
50%-60% Paper	Books, antiques, fax paper, copy paper, print paper
40%-50% Optical Instrument	Camcorder, music disc, computer item, cameras, lens, telescope, microscope, endoscopes, negative, negative, slides, audio tape, microfilm, disk drive.
35%-40% Precision instrument and electronic products	Metal, nonmetal, metal powder products, electrical equipment, semiconductor, capacitor, printed circuit boards, IC, batteries and other electrical appliances, crystal, precision measuring tools, accessories, consumables, optics, lenses, spectrometer and ect.
25%-30%	Pharmaceutical raw materials, spices, coating powder, powder materials, adhesives, seeds, pollen, dry flower.



## BUTTON INSTRUCTIONS



## BUTTON INSTRUCTIONS

The temperature of inner cabinet shows on the left side of the LED display can't be adjusted; the humidity level shows on the right side of the LED display can be adjusted as you desired.

1. Press **【F/C Set】** , **【▲/☀️】** button, to change Celsius to Fahrenheit, to increase the humidity level, to turn on/off the LED light.
2. Press **【%RH】** , **【▼】** button, to check the humidity set level, to decrease the humidity level, to strengthen and weaken the LED light. To adjust the hygrometer error
3. Press **【Set】** button, to set the humidity level, press **【Set】** when finishing setting.
4. Humidity Symbols: when humidity symbols stop flashing which means the humidity level reach to set level.

## HOW TO USE THE DRY CABINET

1. Plug the adapter cord into the dry cabinet socket on the back of dry cabinet.
2. Plug the AC adapter into the power outlet (AC100-240V) and the dry cabinet starts working automatically when the power is supplied.

## HOW TO ADJUST THE HUMIDITY LEVEL

The humidity level is set at 40% RH at the factory, please follow below steps to adjust the humidity level

1. Press **【Set】** button twice, then you will see the humidity number is flashing,
2. Press “▲” or “▼” button to increase or decrease the humidity level from 25% to 60% relative humidity for different items.
3. Press **【Set】** button when finishing setting.

## HOW TO TURN ON/OFF THE LED LIGHT

1. Press “▲” button, you can turn on the LED light as you desired.
2. Press “▲” button again, to turn off LED light.

## HOW TO TURN DARK OR BRIGHT THE LED LIGHT

1. Press “▼” button for 3-5 seconds, the LED light will turn dark
2. Press “▼” button for 3-5 seconds again, the LED light will turn bright.

## HOW TO CHECK THE CURRENT HUMIDITY LEVEL

Press “▼” button, you can check the humidity level as you set before, after two seconds, the internal humidity level will be shown on the display again.

## HOW TO CHANGE THE CELSIUS TO FAHRENHEIT IF NEEDED

Press “▲” button for 3-5 seconds, the temperature can switch from Celsius to Fahrenheit.

## HOW TO CALIBRATE THE HYGROMETER

1. To calibrate the hygrometer difference, firstly, disconnected the power cord
2. Press and hold “▼” button while connecting to the power cord until the hygrometer number is flashing
3. Loosen the button and then press “▲” and “▼” to increase or decrease the hygrometer level

## TROUBLESHOOTNG

Problem	Likely Cause	Solution
The LED light display is off or turns dark	The AC adapter disconnected	Connect the AC adapter again
	The AC adapter has damaged without output or low output	Replacing the AC adapter
	The power supply device has damaged by over voltage of the AC adapter	Contact customer service for assistance
The internal humidity level higher than set level for a long time ( 40%- 60% RH)	The cabinet not sealing properly	Make sure the door is sealing tightly
	Ambient room temperature lower than 68°F ,the controller is icing up	Placing the cabinet in the room temperature higher than 68 °F . Open the door for 5-10 minutes
	The controller has damaged	Contact customer service

## WARRANTY INFORMATION

Labor and Part

For the period of two years from the date of purchase, if the product determined to be defective, the manufacture will replace the unit, at no charge.

Items not covered under warranty

1. Unauthorized repairs made on the unit
2. Damage resulting from dropping
3. Damage caused by dismantling from non-authorized party
4. Damage caused by inappropriate maintenance or usage

## CONTACT US

Our customers are our top priority and we strive for 100% satisfaction. If you have any questions about our product or service, we invite you to contact us by email [operation@forspark.com](mailto:operation@forspark.com)