



Laboratory Equipment Manufacturer

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# Electronic Dry Cabinet

## Operation Manual

Model: **DYC-NS series**



**PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION**

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**MRC.VER.01-5.14**

## Installation:

- Turn on the dry cabinet
- Set up the required %RH at the panel display



- Connect the nitrogen supplying gas to the back solenoid with quick fit 8mm tube and make sure the gas pressure will not exceed 7 Kg/cm<sup>2</sup>



- Adjust the required gas flow with the magnetic valve regulator

### Set up %RH

Press "SET" the display will show as below:

**SRH 40%RH**

Press  $\Delta$  &  $\nabla$  key to change the setting at 20~60%RH range.

Press "SET" to save the setting.

### Set up Time

**NOTE: IF THERE IS A POWER FAILURE OR UNPLUGGED, USERS HAVE TO SET UP THE TIME. IF THE PRODUCT CAN BE CONNECTED TO PC, THE TIME WILL BE AUTOMATIC SET BY SOFTWARE.**

Press "RESET" the display will show as below:

**SY 00** (This is for the setting of "Year".)

Press  $\Delta$  &  $\nabla$  key to change the setting at 0~99 range for year 2000 ~2099.

Then press "SET" to save setting, the display will show as below

**SMM 01** (This is for the setting of "month".)

Press  $\Delta$  &  $\nabla$  key to change the setting at 01~12 range for month JAN ~DEC.

Then press "SET" to save setting, the display will show as below

**SDD 01** (This is for the setting of "Date".)

Press  $\Delta$  &  $\nabla$  key to change the setting at 1~31 range for date 01 ~31.

Then press "SET" to save setting, the display will show as below

**SHH 01** (This is for the setting of "hour".)

Press  $\Delta$  &  $\nabla$  key to change the setting at 00~23 range.

Then press "SET" to save setting, the display will show as below

**SNN 01** (This is for the setting of "minute".)

Press  $\Delta$  &  $\nabla$  key to change the setting at 00~59 range.

Then press "SET" to save setting, the display will show as below

## **Set up Data Logger**

**SST 005m** (This is for the setting of recording interval.)

Press  $\Delta$  &  $\nabla$  key to change the setting at 01~59 range. After the display reached 59m keep on press  $\Delta$  key, the recording interval will become 1 line of record per hour(s).

Then press "SET" to save setting, the display will show as below

**SRV NO** (This is for the setting of recording function on or off.)

Press  $\Delta$  &  $\nabla$  key to change the setting "NO" for function off and "YES" for on.

To clear logged record, turn off then on the recording function.

Then press "SET" to save setting, the display will show as below

**NOTE: EVERY LCD DISPLAY DRY CABINET HAS BUILT IN UP TO 8192 LINES DATALOGGER. TO READ LOGGED DATA, PRESS  $\Delta$  KEY TO READ THE FIRST LINE (DISPLAY SHOWS: V0000). PRESS  $\nabla$  KEY TO READ THE NEXT LINE. IF THERE IS NO DATA IN THE LOGGER, THE DISPLAY WILL SHOW "NO DAT".**

## **Set up %RH Alarm**

**ALM NO** (This is for the setting of alarm function on or off.)

Press  $\Delta$  &  $\nabla$  key to change the setting "NO" for function off and "YES" for on. Then press "SET" to save setting, the display will show as below

## **Set up High %RH Alarm**

**HR 10%RH** (This is for the setting of alarm if higher than preset value.)

Press  $\Delta$  &  $\nabla$  key to change the setting at +1~+10%RH range for alarm turn on.

Then press "SET" to save setting, the display will show as below

**HRH 01H** (This is for the setting of duration "hour" when exceed preset value.)

Press  $\Delta$  &  $\nabla$  key to change the setting at 0~99 range for 0~99 hours.

Then press "SET" to save setting, the display will show as below

**HRM 00M** (This is for the setting of duration "minute" when exceed preset value.)

Press  $\Delta$  &  $\nabla$  key to change the setting at 0~59 range for 0~59 minutes.

Then press "SET" to save setting, the display will show as below

## **Set up Low %RH Alarm**

**LR 10%RH** (This is for the setting of alarm if higher than preset value.)

Press  $\Delta$  &  $\nabla$  key to change the setting at -1~-10%RH range for alarm turn on.

Then press "SET" to save setting, the display will show as below

**LRH 01H** (This is for the setting of duration "hour" when exceed preset value.)

Press  $\Delta$  &  $\nabla$  key to change the setting at 0~99 range for 0~99 hours.

Then press "SET" to save setting, the display will show as below

**LRM 00M** (This is for the setting of duration "minute" when exceed preset value.)

Press  $\Delta$  &  $\nabla$  key to change the setting at 0~59 range for 0~59 minutes.

Then press "SET" to save setting, the display will show as below

**NOTE: WHEN THE %RH OVER OR BELOW ALARM ON VALUE AND LAST LONGER THAN PRESET TIME, THE DISPLAY WILL FLASH AND BUZZ ALARM WILL ON.**

## **Spare parts list:**

1. Display PCB
2. Membrane key pad
3. Power PCB
4. Heat sink cooling fan
5. Fuse (20mm 250VAC 1A)
6. Power cord
7. Dehumidify module housing (incl. front and rear cases)
8. Cooling chip