

S Touch

SUNON HVLS fan

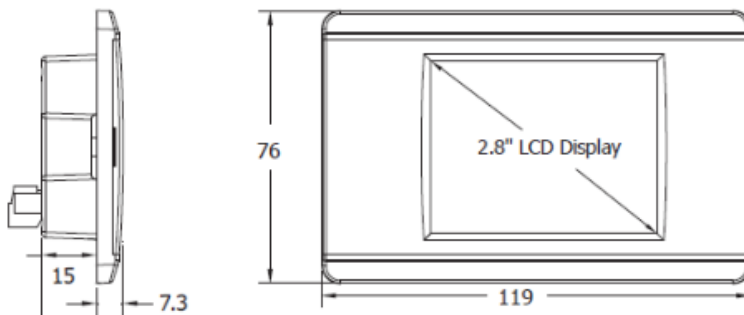
Touch HMI Panel

N5 Manuals

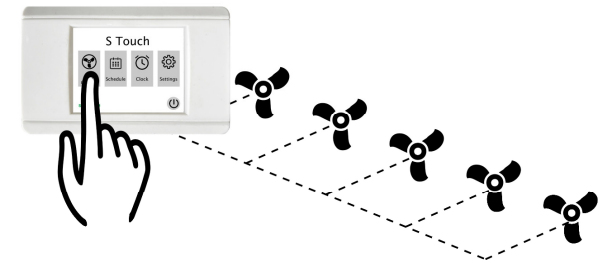
S Touch_N5

2.8" Touch panel human-machine interface (HMI) device

- Simple intuitive user interface
- Enable operation, schedule, fan grouping and naming
- Centralized & multizone remote control



UNIT: mm



Fans Controlled	1 ~ 5 Fans
Display	2.8 TFT
Resolution	240x320x16, defective pixels <= 3
Backlight Life	20,000 hours
Brightness	160 cd/m2
Communication Protocol	Modbus 485
Ingress Protection Rating	Front Panel: IP40
Dimensions (mm)	119 mm x 76 mm x 33 mm
Weight	102g
Installation	Wall Mounting
Power Supply	+12 ~ 48 VDC
Consumption	1.5W
Operating Temperature	-20 ~ +70°C
Storage Temperature	-30 ~ +80 °C
Humidity	10 ~ 90% RH, Non-condensing

S Touch N5

- Maximum communication distance: 300m
- Communication cable recommendation: double isolation cable 24AWG 2C(1P) / 4C(2P)

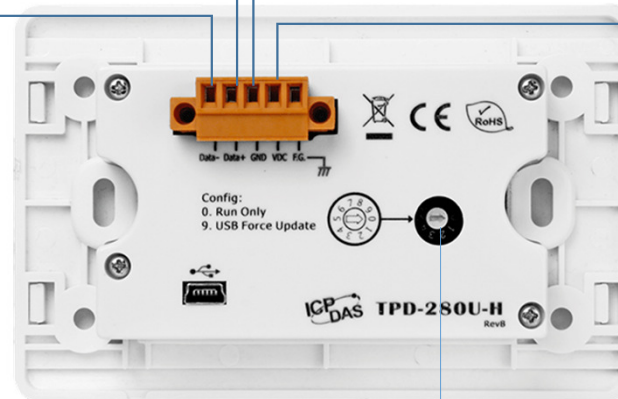
F.G.	Frame ground, F.G. (connected to the internal EMI or ESD protection circuit), please connect to the ground.
VDC	DC voltage input (range: +12V~+48V)
GND	Connect to the ground terminal of the power supply
Data+	Positive signal line of RS-485 network
Data-	Negative signal line of RS-485 network

Data -
Connect to HVLS fan controller
PORT B interface

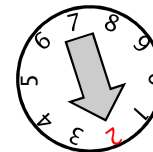
Data +
Connect to HVLS fan controller
PORT A interface

GND
Connect to the power supply V-
and HVLS fan controller PORT GND

VDC
Connect to the power supply V+



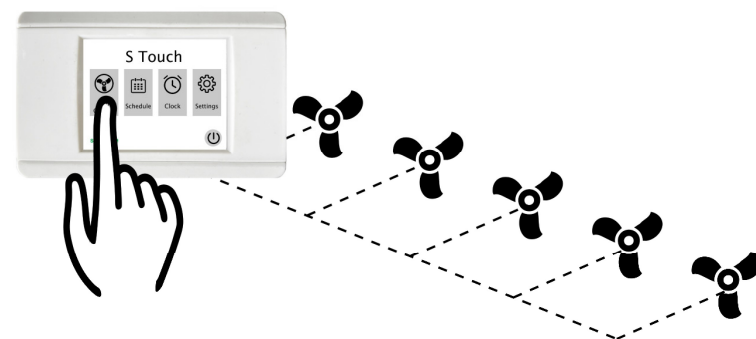
Mode configuration
Point the arrow to 2
execute program

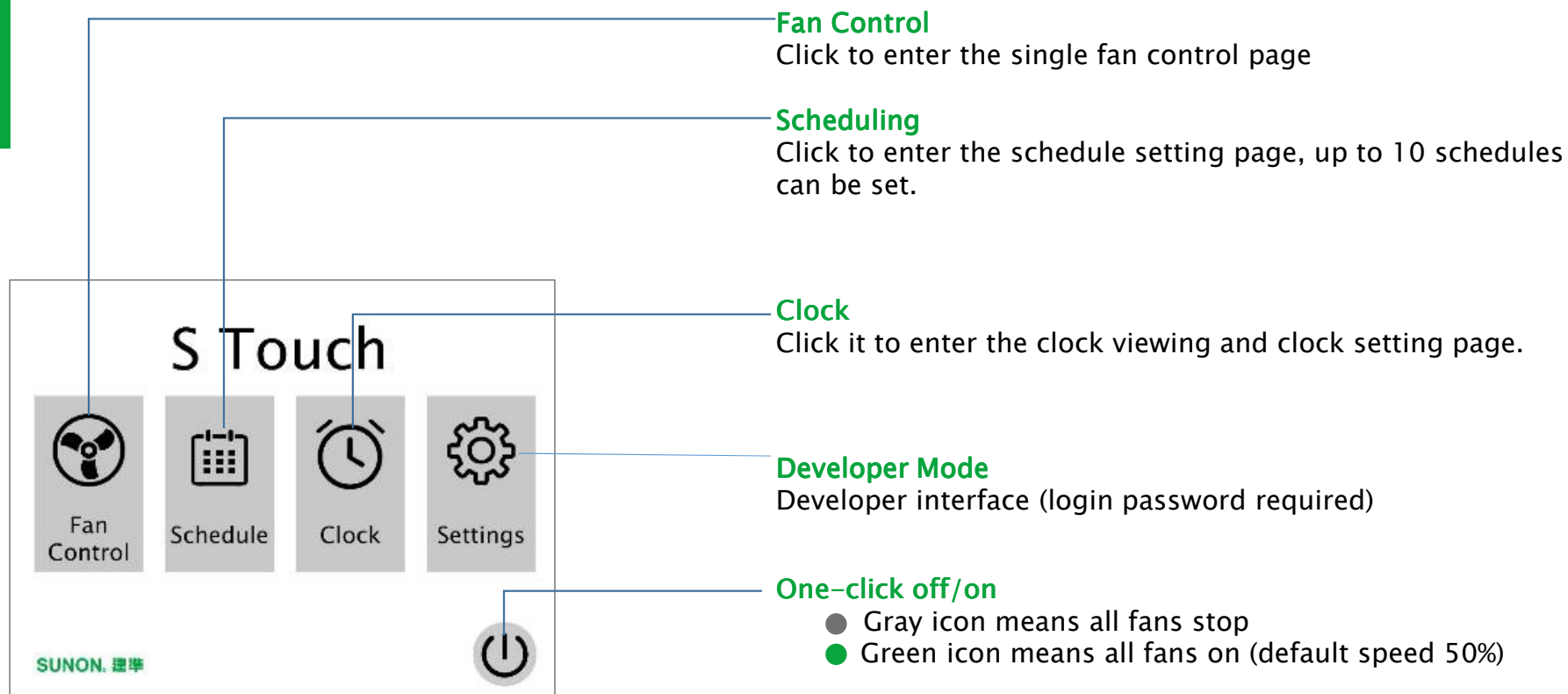


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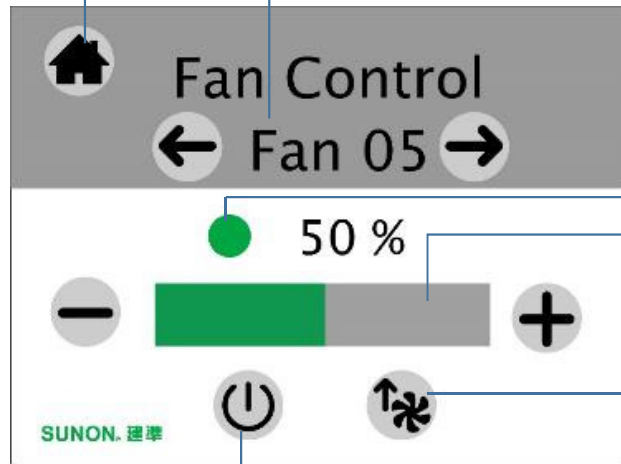
Start-up Guide User Interface







Fan Control



Home Page

Back to main page

Fan selection

Use the left and right buttons to select the fan

Fan status display

Display the current speed setting% (default 50%)

- Red light: Fan status abnormal
- Yellow light: no settings have been made
- Gray light: The fan setting completed, inactivated
- Green light: the fan is running

Fan Speed Control

Set the percentage of fan speed by using "+", "-", and the control bar

Airflow direction setting

↑ airflow goes up

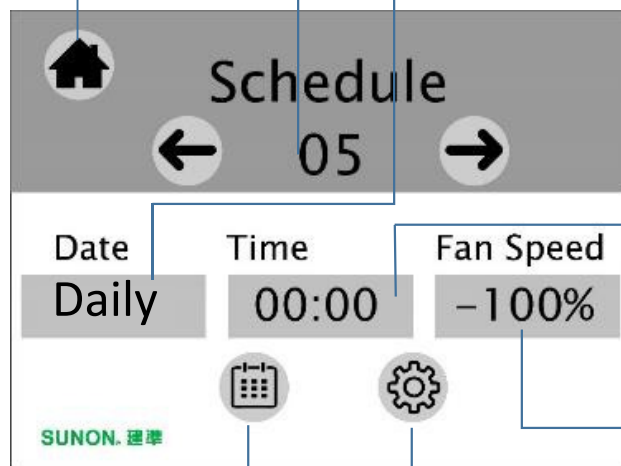
↓ airflow goes down

Fan speed switch

- Gray means the fan is off
- Green means the fan is on



Schedule



Schedule On / Off

- Gray scheduling is off
- Green scheduling is on

Home Page :

Back to main page

Scheduling options:

Use the left and right buttons to select the schedule

Show scheduling (Date)

Display the set time

- Mon.
- Tue.
- Wed.
- Thu.
- Fri.
- Sat.
- Sun.
- Once
- Daily
- Every Weekday
- Custom

Show schedule time

Display the set time

Display scheduling speed :

Display the schedule setting: fan speed and direction setting in the box

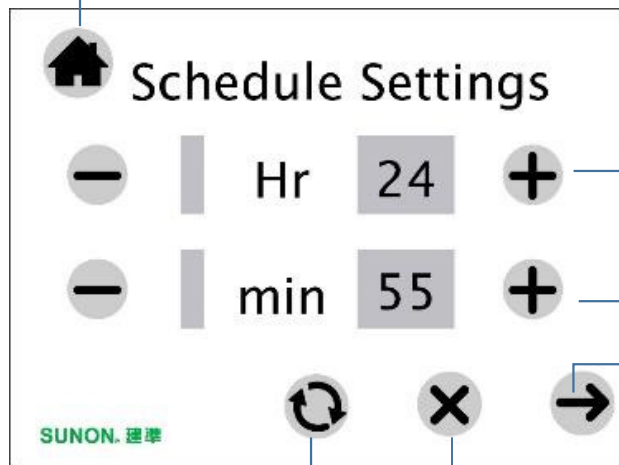
ex : 50% Forward rotation 50%
-100% Reverse rotation 100%

Schedule settings:

Go to the schedule setting page



Schedule



Home page

Back to main page

Schedule time setting

Set the scheduling time with the "+" and "-" buttons

Next step

After completing the setting, proceed to the next step "Scheduling Period Selection"

Cancel

Cancel the setting and return to the schedule selection page.

Reset

Reset the scheduled time.



Schedule

The diagram shows a 'Schedule Settings' screen. At the top left is a home icon. Below it is a 3x3 grid of buttons: 'Mon.', 'Tue.', 'Wed.', 'Thu.', 'Fri.', 'Sat.', 'Sun.', 'Once', and 'All ON'. The 'Wed.' button is highlighted in green. Below the grid is the 'SUNON. 運準' logo, followed by three circular icons: a refresh icon, a left arrow, and a right arrow. Blue lines connect these elements to their respective descriptions on the right.

Mon.	Tue.	Wed.
Thu.	Fri.	Sat.
Sun.	Once	All ON

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Home page

Back to main page

Scheduling period Selection

Select the period for scheduling to control (mutiselect)

- Gray means unscheduled
- Green means scheduled

Single schedule

One-time scheduling by time setting

All Scheduling

Schedule set to daily

Next step

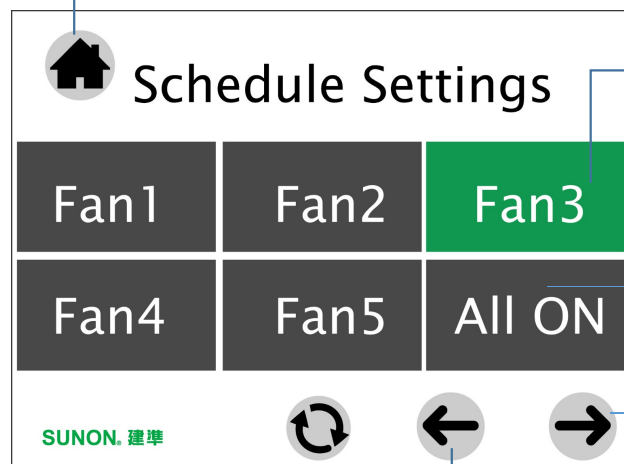
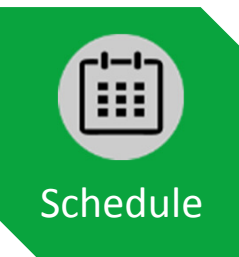
After completing the setting, proceed to the next step "Schedule fan selection"

Return

Back to previous step

Reset

Reset all schedules



Home page
Back to main page

Scheduling Fan Selection
Select the fan to be controlled

- Gray means unscheduled
- Green means scheduled

All fans
Select all fans

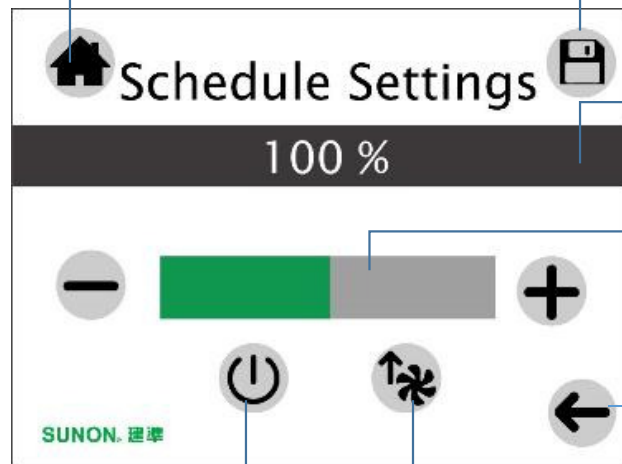
Next step
After completing the setting, proceed to the next step "Fan Speed Control"

Return
Back to previous step

Reset
Reset all fans



Schedule



Home page

Back to main page

Save

Save the schedule settings and turn the schedule on

Display fan speed

Displays the percentage of the current speed setting

Fan speed adjustment

Use "+", "-" and the control bar to set the percentage of the fan speed

Previous step

Go back to the previous step

Airflow direction setting

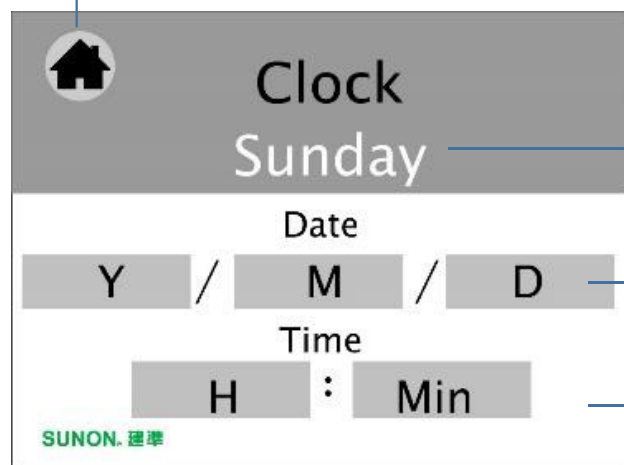
↑ airflow goes up

↓ airflow goes down

Fan speed switch

● Gray means the fan is off

● Green means the fan is on



Home page
Back to main page

Display Period
Automatically display according to the set date

Time display
Display year/month/date/, click to modify the date

Time display
Display hour/minute, click to modify the time



Clock

The diagram shows a 'Clock' settings screen. At the top left is a home icon (house), and at the top right is a save icon (floppy disk). The title 'Clock' is centered at the top. Below it are three rows for date settings: 'Year' with value '2023', 'Month' with value '10', and 'Day' with value '08'. Each row has a minus sign (-) on the left and a plus sign (+) on the right for adjustment. At the bottom right is a circular arrow icon representing a 'Cancel' or 'Reset' function. The SUNON logo is in the bottom left corner.

Home page

Back to main page

Save

Save the set time

Year setting

Use "+", "-" to modify the year

Month setting

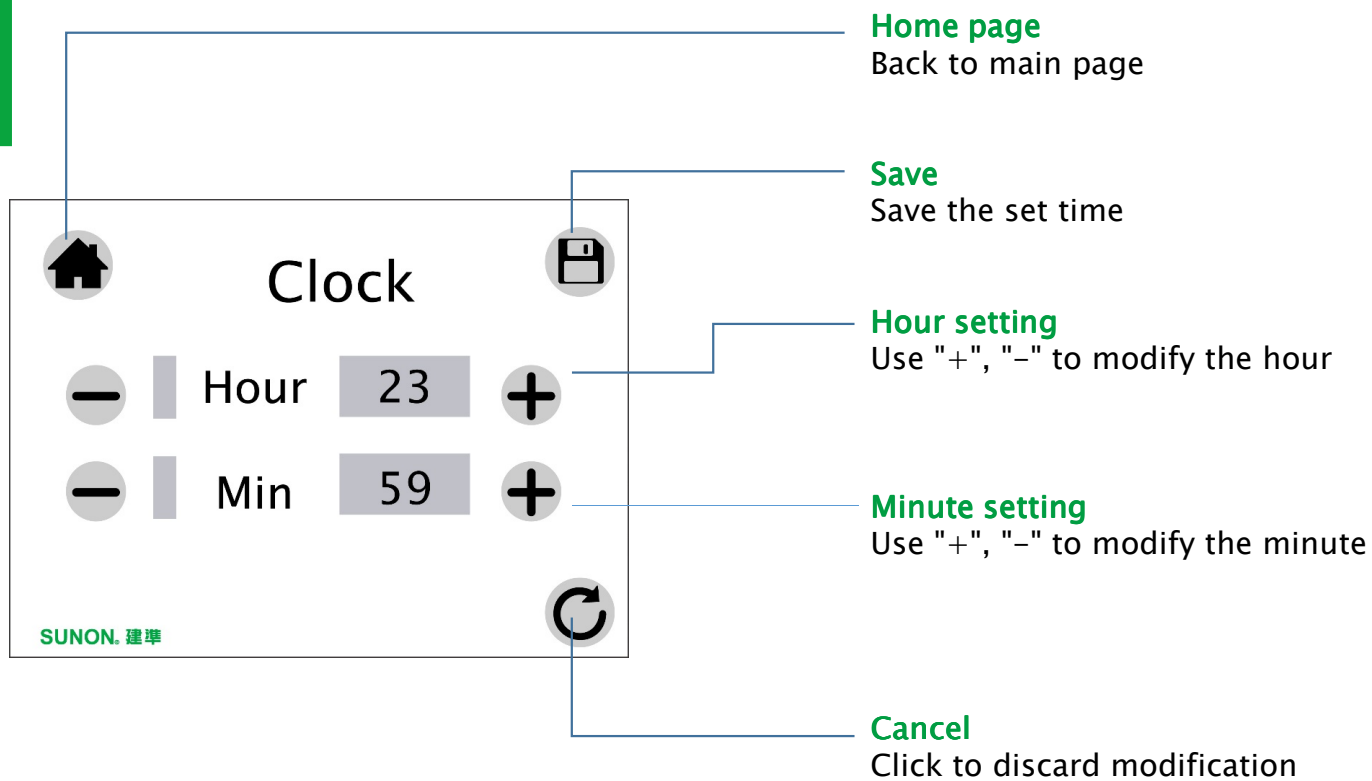
Use "+", "-" to modify the month

Date setting

Use "+", "-" to modify the date

Cancel

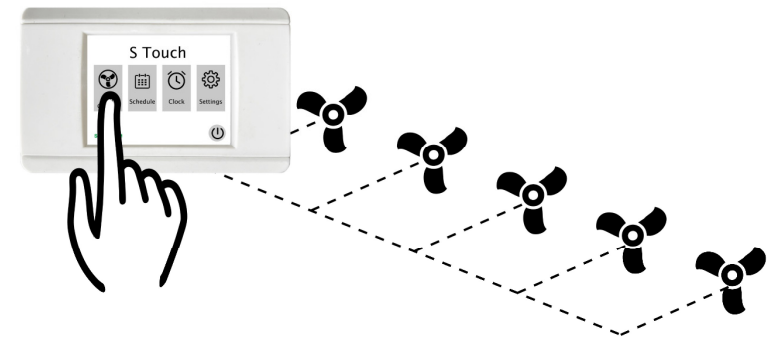
Click to discard modification

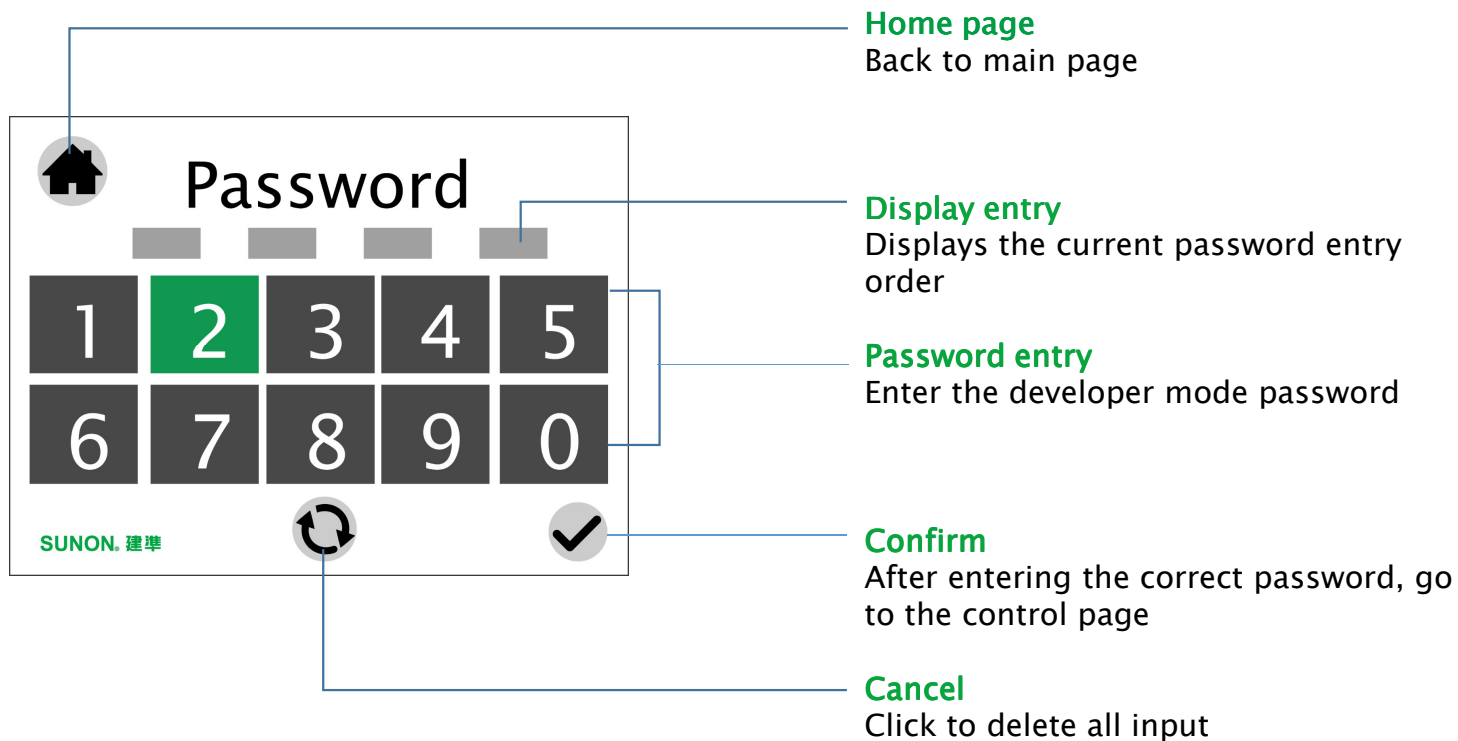


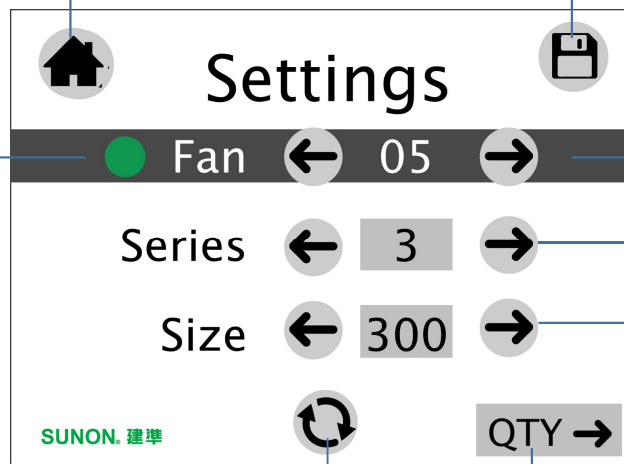
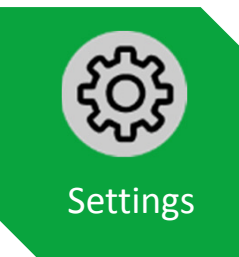
S Touch_N5

2.8" Touch panel human-machine interface (HMI) device

Start-up Guide Developer Interface







Fan Status Indicator

- Red light: connection error, abnormal fan status.
- Yellow light: The fan has not been set.
- Gray light: The fan is set, but the speed is not set.
- Green light: The fan is running.

Home page

Back to main page

Save

Click to save the settings (detailed reset instruction as following page)

Set up fan selection

Select the fan to be set, if the fan has already been set it will automatically import the motor code

Series setting

Select fan series (S1, S3, S10, Modern)

Airfoil setting

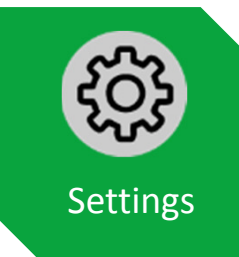
Select airfoil size


Quantity





Click to enter the quantity and fan number settings. (There will be detailed reset instruction as following page)





Reset

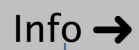
Click to reset the fan. (There will be detailed reset instruction as following page)



 **Settings Quantity**

 QTY:  5  

 ID:  5  

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Home page



Back to main page

Number of fan settings

Select the number of fans to be controlled


 **Save:** Save the number of fans to be controlled

Quantity setting display status




-  Gray light: the number of fans can be set
-  Green light: The number of fans has been set

Fan number selection

Select the fan number to modify. (There will be detailed reset instruction as following page)

 **Complete setup**
Complete the fan number setting.

Fan setting status display: (there will be detailed reset instructions as following page)


-  Red light: the fan is not connected
-  Gray light: setting the fan number
-  Green light: The fan number setting is complete

Go to set fan information


Enter the selected fan information page



Settings

 **Settings Information**

Max Speed :	Max	RPM
Now Speed :	Now	RPM
Motor Code :	Fan size	
Error Code :	Error	

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Home page

Back to main page

Display

Display fan information

Settings

Click to return to the Fan Settings page



Settings

Fan Reset Procedure

Step 1. Select the fan to be reset.

Step 2. Click the reset button and wait for the status light to turn yellow.

Step 3. Select Fan Series & Airfoil Type.

Step 4. Click Save to set the motor code, and wait for the status light to turn gray.

Step 5. Click to enter Quantity & Fan ID settings.

Step 6. After adjusting the number of fans, click Save. (The number of fans must be greater than the number of fans to be set.)

Step 7. Select the fan number of the fan to be set.

Step 8. Click the button and wait for the status light to turn green

