

# S Touch

SUNON HVLS fan

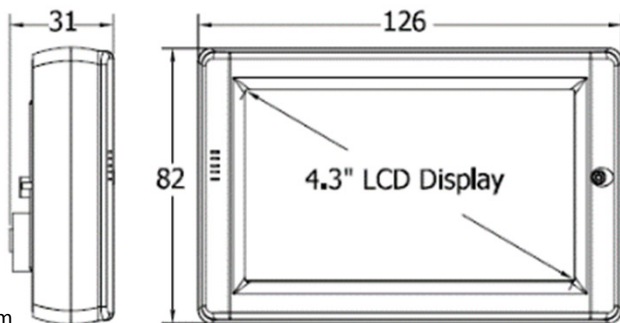
Touch HMI Panel

N30 Manuals

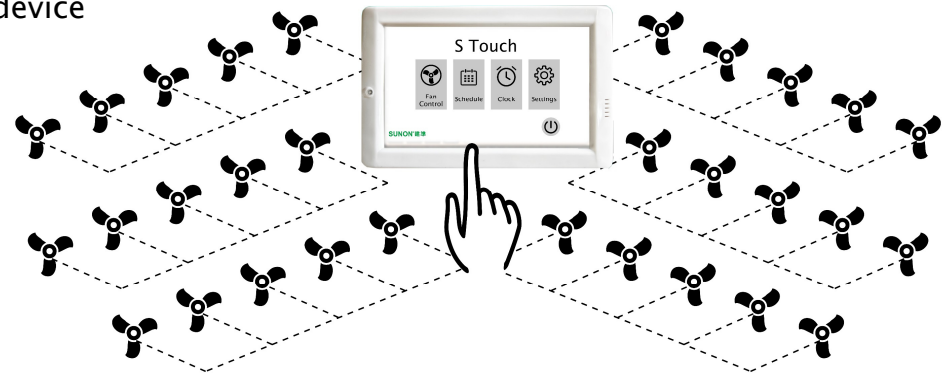
# S Touch N30

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

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



UNIT: mm

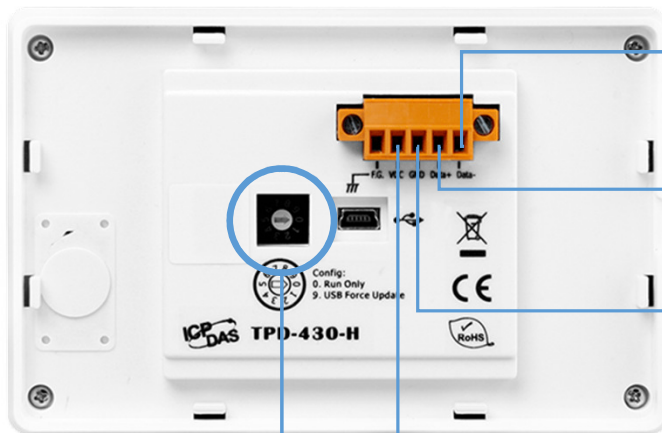


0	
Fans Controlled	1 ~ 30 Fans
Display	4.3 TFT
Resolution	480x272x16, defective pixels <= 3
Backlight Life	20,000 hours
Brightness	400 cd/m2
Communication Protocol	Modbus 485
Ingress Protection Rating	Front Panel: IP40
Dimensions (mm)	126 mm x 82 mm x 24 mm
Weight	183g
Installation	Wall Mounting
Power Supply	+12 ~ 48 VDC
Consumption	2.5W
Operating Temperature	-20 ~ +50°C
Storage Temperature	-30 ~ +80 °C
Humidity	10 ~ 90% RH, Non-condensing

# S Touch N30

- 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

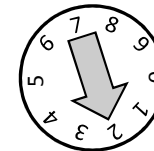
Connect to the power supply V- and HVLS fan controller PORT GND

## VDC

Connect to the power supply V+

## Mode configuration

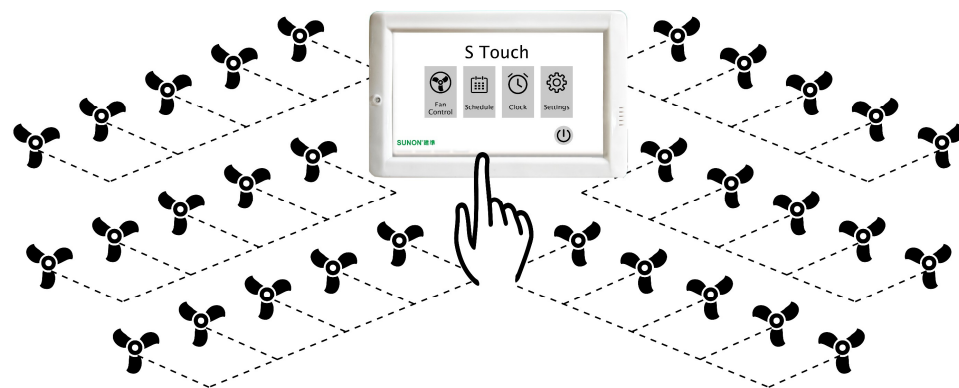
Point the arrow to 2 execute program

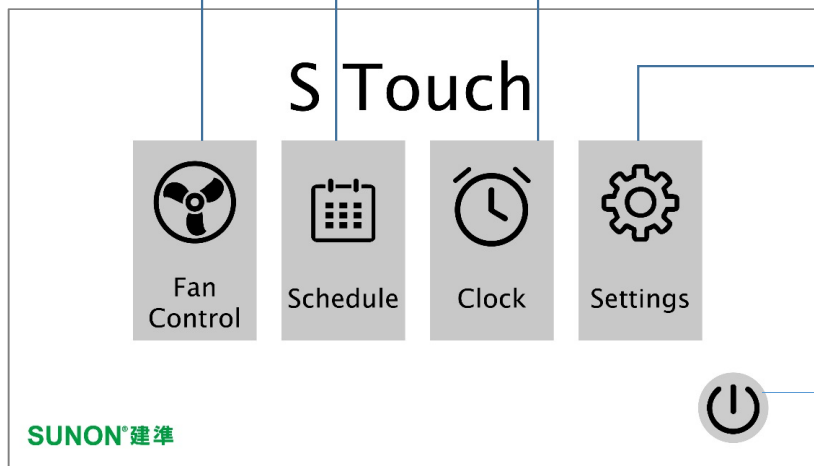


# S Touch\_N30

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

## Start-up Guide User Interface





### Fan Control

Click to enter the single fan control page

### Scheduling

Click to enter the schedule setting page, up to 10 schedules can be set.

### Clock

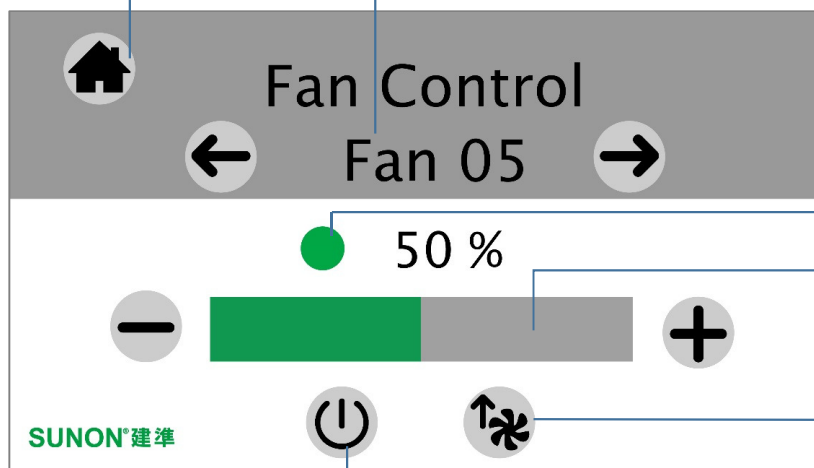
Click it to enter the clock viewing and clock setting page.

### Developer Mode

Developer interface (login password required)

### One-click off/on

- Gray icon means all fans stop
- Green icon means all fans on (default speed 50%)



### 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

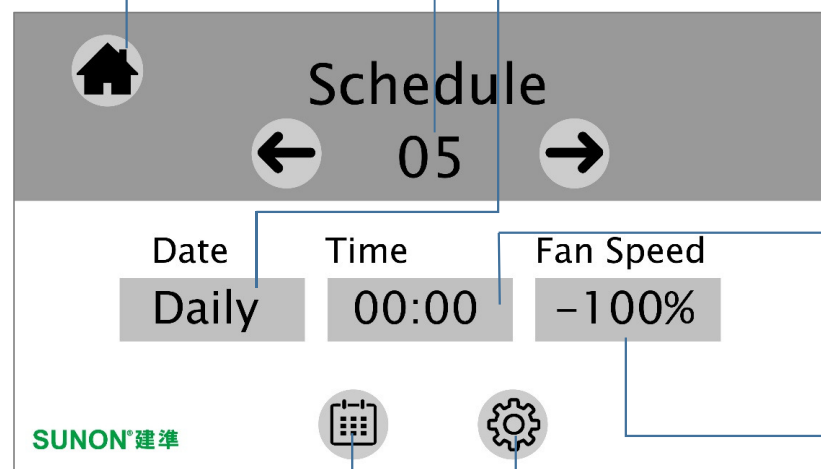
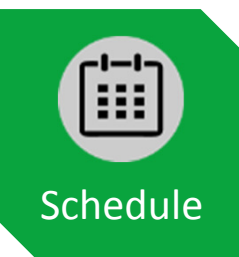
Set the percentage of fan speed by using "+", "-" and the control bar

### 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 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 Settings

— | Hr 24 +

— | min 55 +

SUNON 建準

↻ × →

### 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"

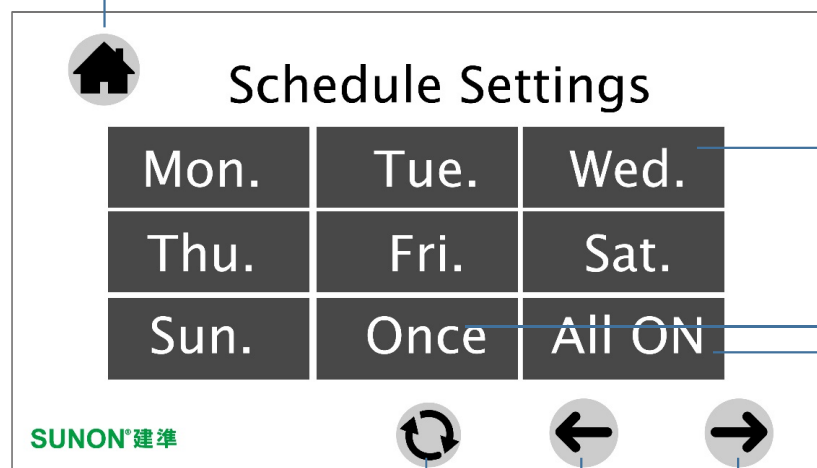
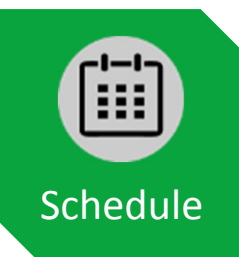
### Cancel

Cancel the setting and return to the schedule selection page.

### Reset

Reset the scheduled time.





### 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

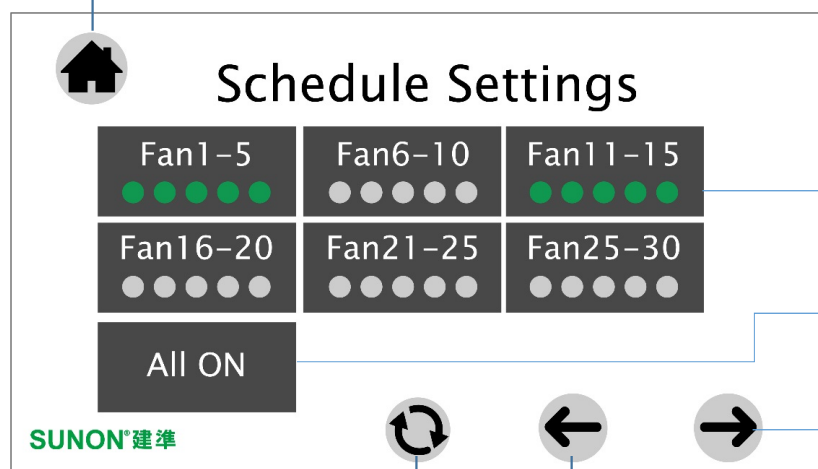
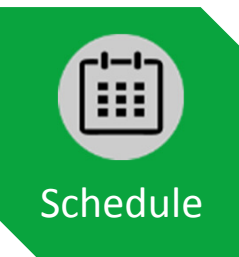
After completing the setting, proceed to the next step "Schedule fan selection"

### 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

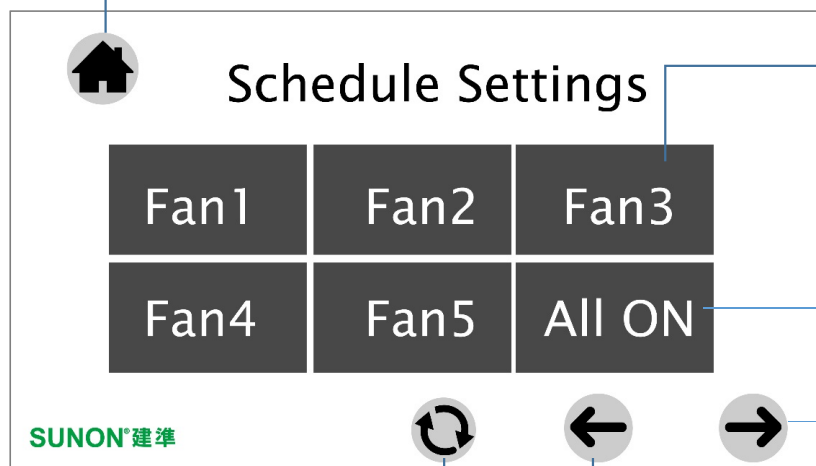
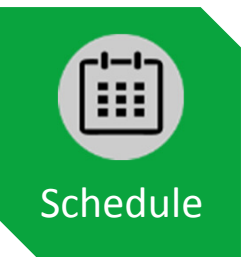
After completing the setting, proceed to the next step "Fan Speed Control"

### Return

Back to previous step

### Reset

Reset all fans



**Home page**  
Back to main page

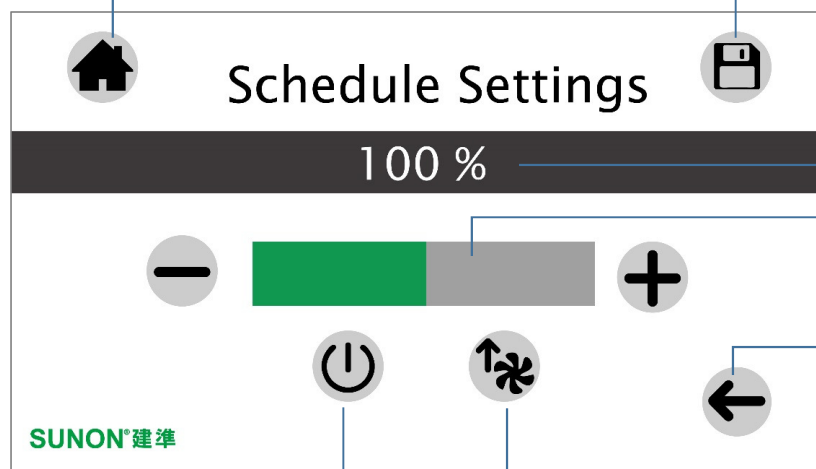
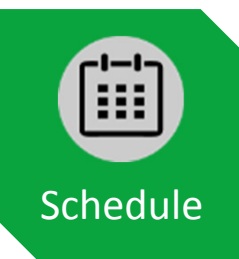
**Scheduling Fan Selection**  
Select the fan to be controlled  
● Gray means unscheduled  
● Green means scheduled

**All fans**  
Select all fans

**Next step**  
After completing the setting, back to "Schedule Fan Selection"

**Return**  
Back to previous step

**Reset**  
Reset all fans



### 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

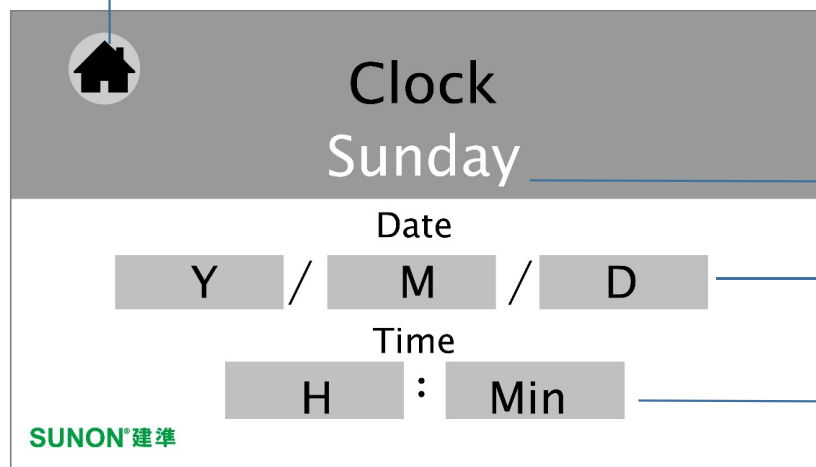
↑ airflow goes up

↓ airflow goes down

### Fan speed switch

● Gray means the fan is off

● Green means the fan is on

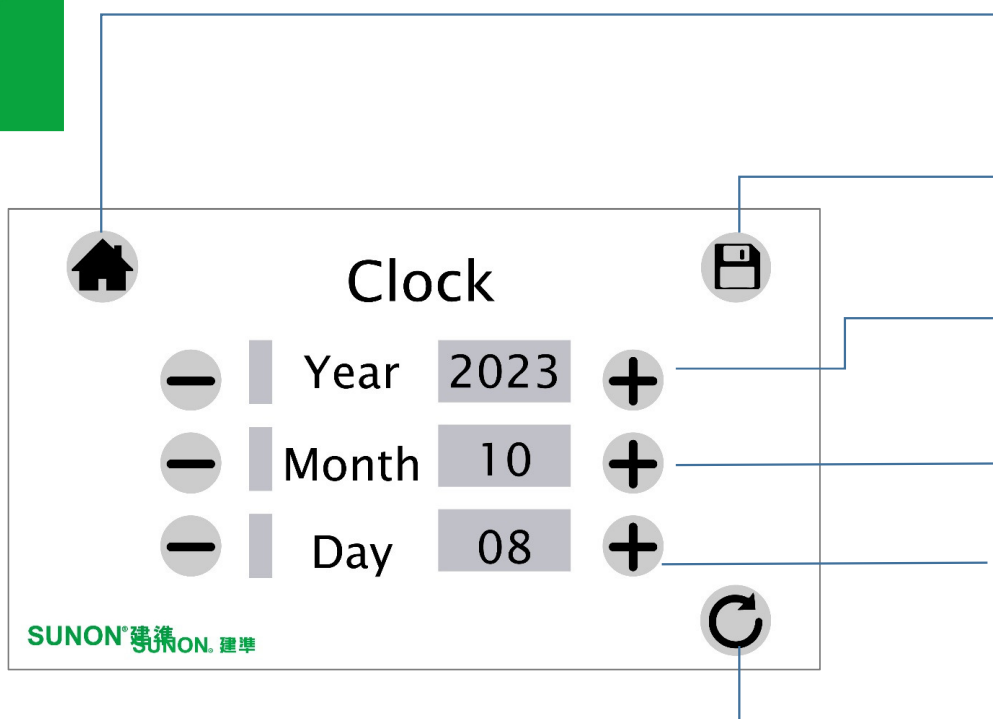


**Home page**  
Back to main page

**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



### Home page

Back to main page

### Save

Save the set time

### Year setting

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

### Month setting

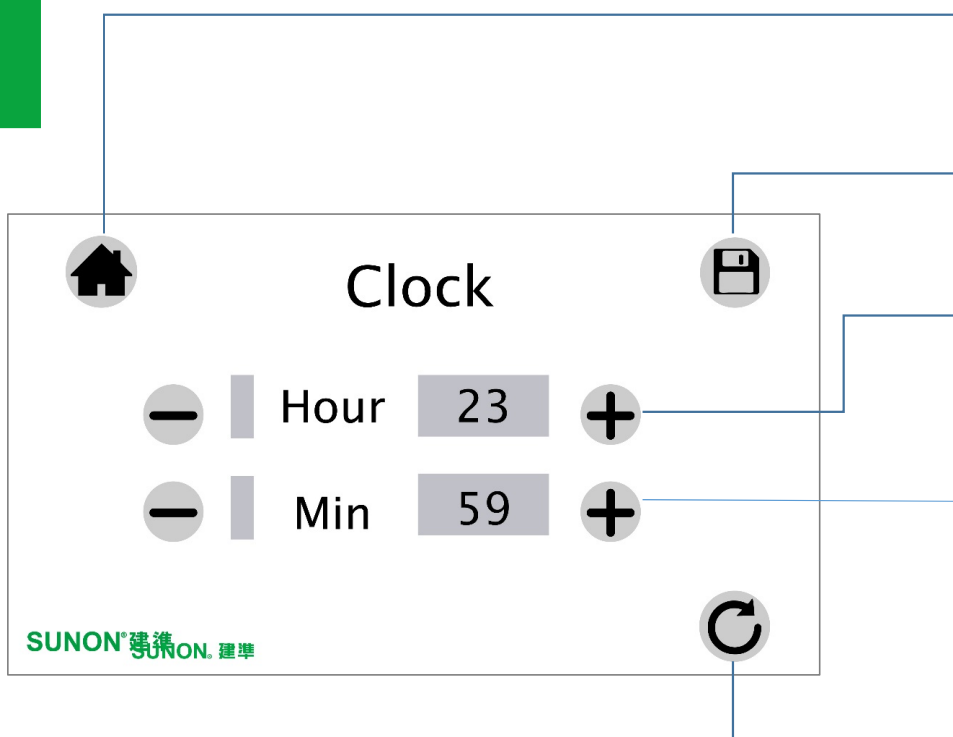
Use "+", "-" to modify the month

### Date setting

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

### Cancel

Click to discard modification



### Home page

Back to main page

### Save

Save the set time

### Hour setting

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

### Minute setting

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

### Cancel

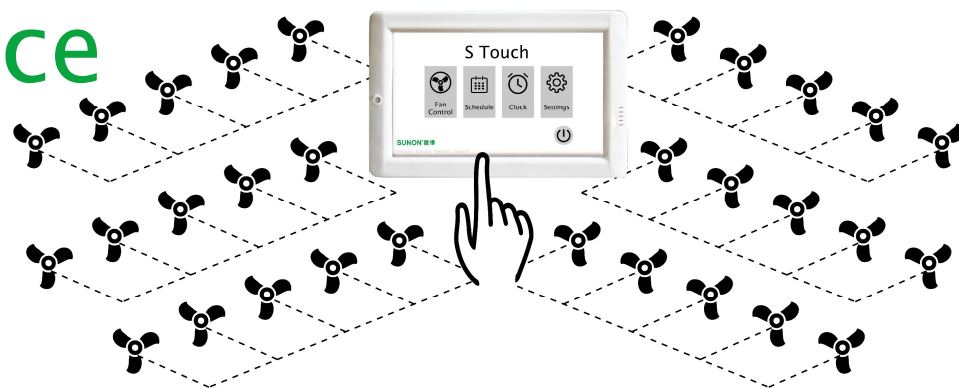
Click to discard modification

# S Touch\_N30

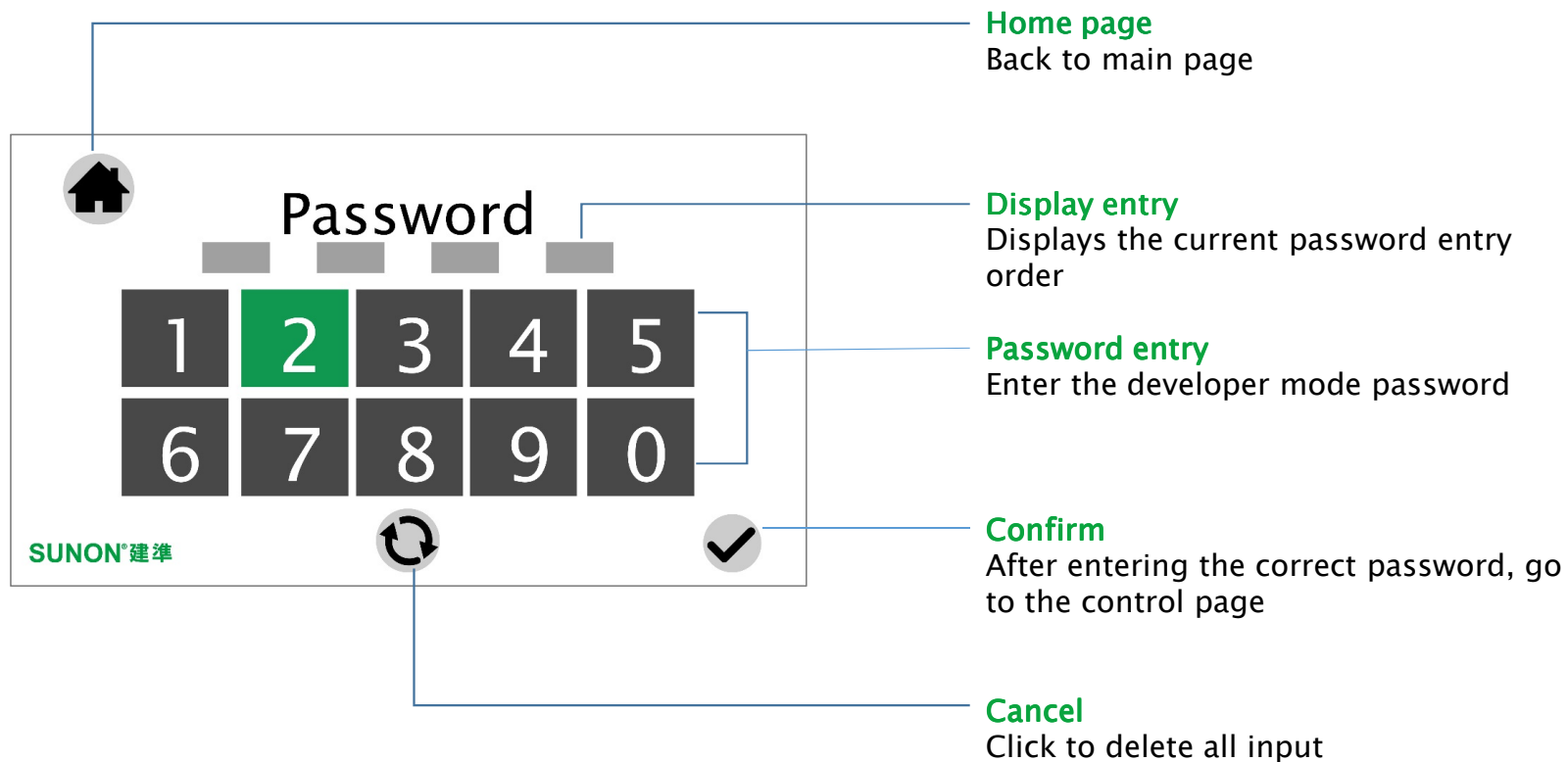
4.3" Touch panel human-machine interface (HMI) device

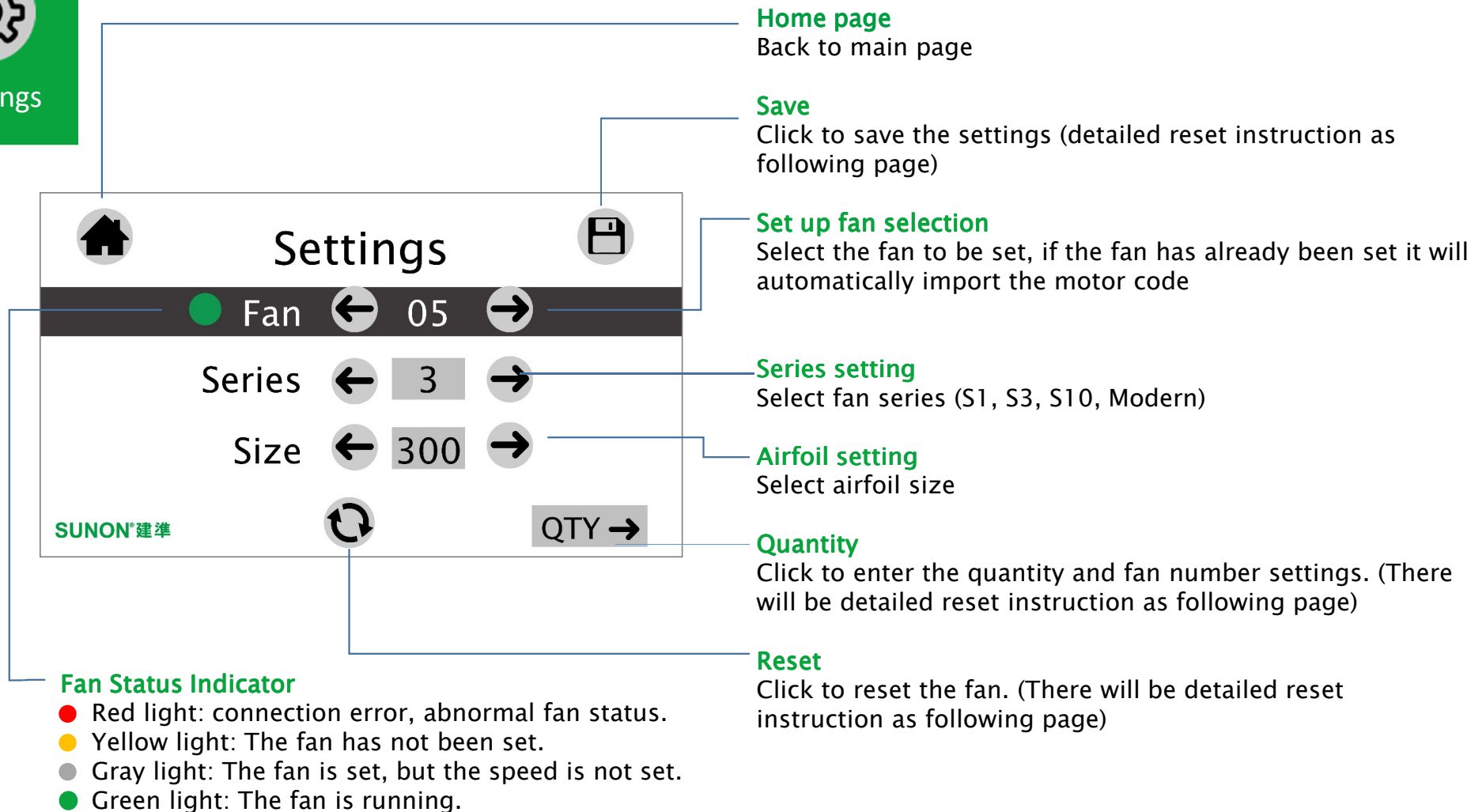
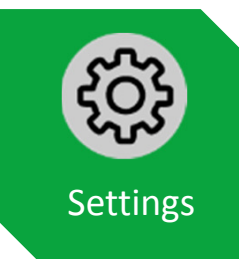
Start-up Guide

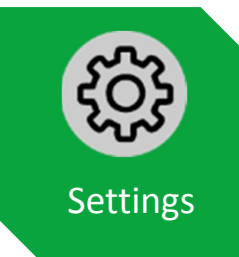
## Developer Interface











### 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)

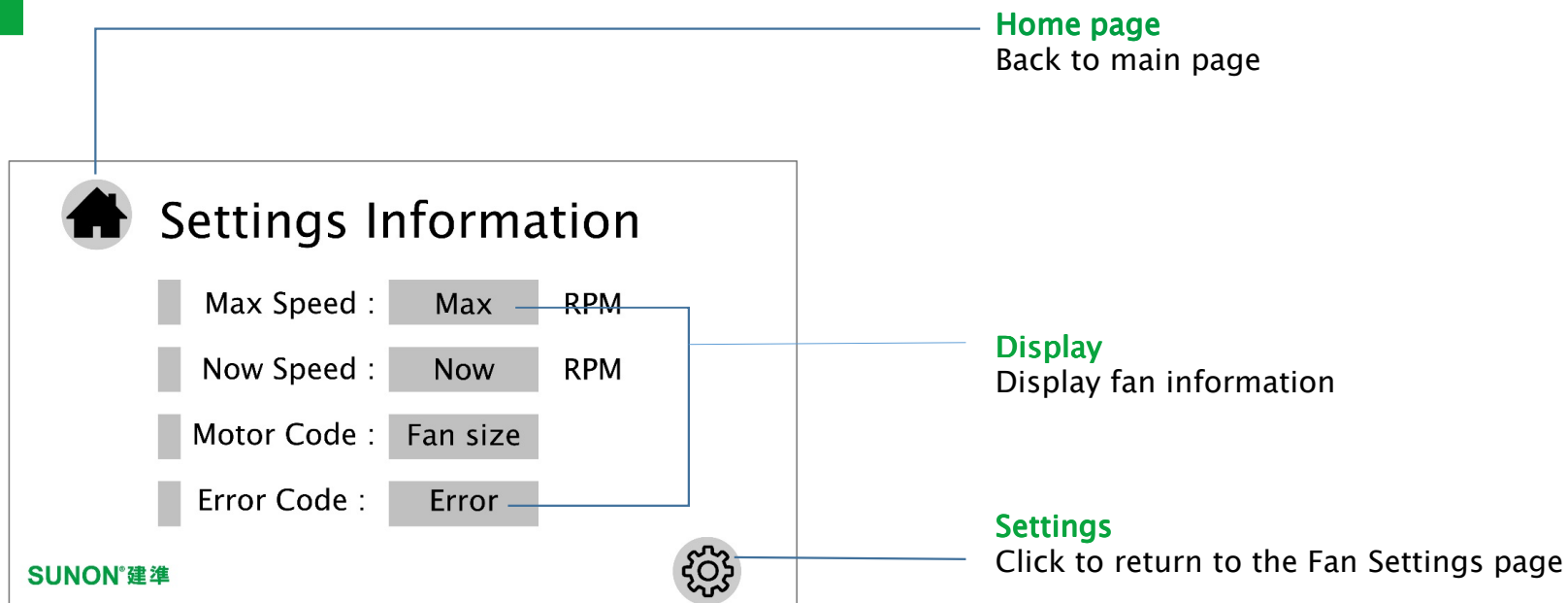
- Red light: the fan is not connected
- Gray light: setting the fan number
- Green light: The fan number setting is complete

### Go to set fan information

Enter the selected fan information page



Settings





Settings

### 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

