

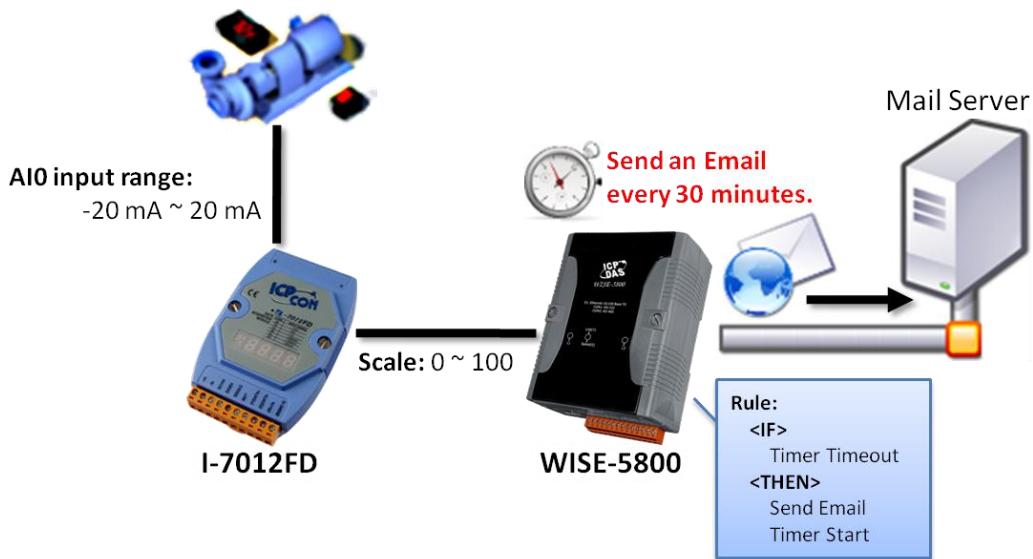
WISE-580x Timer

Application Example



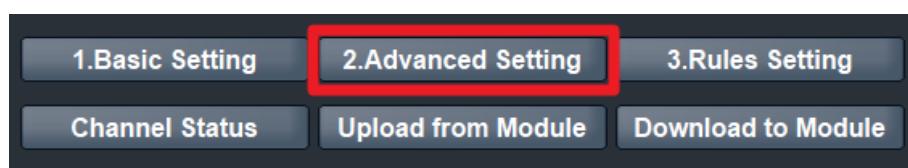
● Scenario :

Assume a temperature sensor is connected to the AI channel 0 on an I-7012FD module, and the I-7012FD module is connected to a WISE-5800. In this device monitoring system, it is required to send out an Email to the related personnel every 30 minutes in real time to report related data regarding current device status such as device operating temperature.

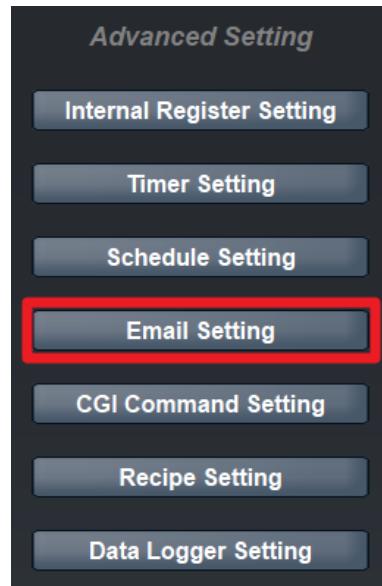


● Steps :

0. In this case, we will demo how to perform Timer settings, the I/O module setting part will be skipped in this section. If you want to know more regarding I/O module settings, please go to WISE-580x AI Attribute section, step 1 to step 3 for more detailed information. In this case, the I-7012FD module is located at address 4.
1. Open the WISE WEB page and get into the “2.Advanced Setting” page.



2. On the Advanced Setting page; click on “Email Setting” to get into the setting page.



3. On the Email Setting page; specify the Email Amount to be “1”, and input related information for index number 1 Email such as: SMTP Sever IP (If the server requires authentication, please check the box in front of “Authentication” and input the Login ID and Password), Sender Name, Sender Email Address and Receiver Email Address. And then in the Subject and Content column, input the subject and content of the email. In the e-mail content field, please key in “The temperature of device is”. And select “AI”, “4:I-7012” and channel “0” from the dropdown list. And then click the “Add” button. A variable “\$m4ai0” will appear in the content field as indicated. When you receive the Email, this value will be the AI0 value on the I-7012FD module (In this case, this variable will be device temperature value, for more detailed information, please refer to Email function introduction section.). Click “Save” button to save the settings.

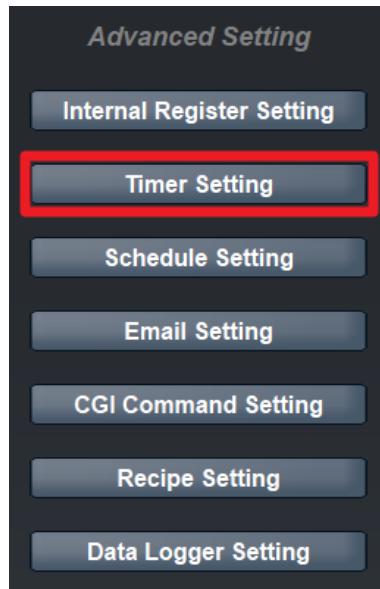
E-mail Setting Page

E-mail Amount	1
Index	1
SMTP Server IP (IP or Domain Name)	mstp.icpdas.com
<input checked="" type="checkbox"/> Authentication	
Login ID	alan_jhu
Password	*****
Sender Name	Alan Jhu
Sender Email Address	alan_jhu@mstp.icpdas.com
1st Receiver Email Address	service@icpdas.com
2nd Receiver Email Address	
3rd Receiver Email Address	
4th Receiver Email Address	
5th Receiver Email Address	
Subject	Device Monitoring
Content	The temperature of device is \$m4ai0
(Note: The length of the message cannot exceed 160 characters.)	

AI 4:I-7012 Ch. 0 Add

Save

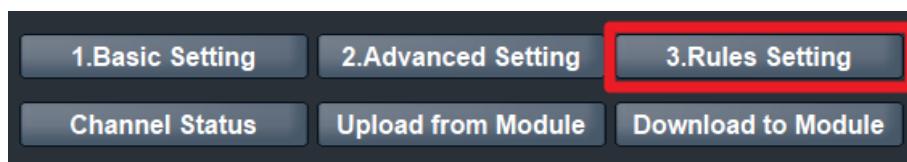
4. Click on the “Timer Setting” to get in to the Timer Setting Page.



5. On the “Time Setting Page”(on the right side), in the “Timer Amount” field, select “1” from the dropdown list. In the “Index” field, select “1” and in the “Period” field, input “1800” and in the “Initial Status”, select “Start” from the dropdown list. And then click the “Save” button.

The screenshot shows the 'Timer Setting Page'. It has four input fields: 'Timer Amount' (set to 1), 'Index' (set to 1), 'Period' (set to 1800 secs), and 'Initial Status' (set to Start). A red box highlights the 'Timer Amount' field. Another red box highlights the 'Index', 'Period', and 'Initial Status' fields together. A red arrow points from the 'Index' field to the 'Period' field. A red arrow points from the 'Initial Status' field to the 'Save' button at the bottom.

6. Click on “3.Rules Setting” page to get into the Rule Setting WEB page.



7. Check the “Rule 1” checkbox to enable “Rule 1”, then click “Rule 1” “Edit” button for “Rule 1” editing.

Enable	No.	Edit	Status
<input checked="" type="checkbox"/>	Rule1	Edit	
<input type="checkbox"/>	Rule2	Edit	
<input type="checkbox"/>	Rule3	Edit	

8. On the “Rule1 Setting Page”(on the right side), select “Timer” as IF Condition for “Condition 1”, and then click on the right side button to get into “Timer Condition Setting” page.

Rule1 Setting Page					
Description					
IF		THEN		ELSE	
Condition1	None	Action1	None	Action1	None
Condition2	None	Action2	None	Action2	None
Condition3	AI DI DI Counter Timer	Action3	None	Action3	None
Operator	None				

Clear Save

9. On the “Timer Condition Setting” page, In the “Index” field, select “1” and in the “Status” field, select “Timeout” from the dropdown list. Click “Save” button to save the changes and get back to the Rule 1 Setting Page.

Timer Condition Setting	
Index	1
Status	Timeout
Save	

10. In the “THEN” section, in the “Action1” field, select “Email” from the dropdown list; click the button next to the “Action 1” field as indicated to get into the “Email Action Setting” page.

Rule1 Setting Page

Description							
IF		THEN			ELSE		
Condition1	Timer	Action1	None	Action1	None	Action1	None
Condition2	None	Action2	None DO DI Counter Timer Email	Action2	None	Action2	None
Condition3	None	Action3	None	Action3	None	Action3	None
Operator	None						

11. In the “Index” field, select “1” from the dropdown list, click “Save” button to save the settings and get back to the “Rule 1 Setting Page”.

Email Action Setting

Index	1
Email Information	
1st Receiver Email Address	service@icpdas.com
2nd Receiver Email Address	
3rd Receiver Email Address	
4th Receiver Email Address	
5th Receiver Email Address	
Subject	Device Monitoring
Content	The temperature of device is \$m4ai0

12. In the “THEN” section, in the “Action2” field, select “Timer” from the dropdown list; click the button next to the “Action 2” field as indicated to get into the “Time Action Setting” page.

Rule1 Setting Page

<input type="button" value="Description"/> <input type="text"/>					
IF		THEN		ELSE	
Condition1	Timer <input type="button" value=""/>	Action1	Email <input type="button" value=""/> <input checked="" type="radio"/> One Time <input type="radio"/> Repeat	Action1	None <input type="button" value=""/>
Condition2	None <input type="button" value=""/>	Action2	None <input type="button" value=""/> <input checked="" type="radio"/> None <input type="radio"/> DO <input type="radio"/> DI Counter <input type="radio"/> Timer <input type="radio"/> Email	Action2	None <input type="button" value=""/>
Condition3	None <input type="button" value=""/>	Action3	<input type="button" value=""/> None <input type="radio"/> DO <input type="radio"/> DI Counter <input type="radio"/> Timer <input type="radio"/> Email	Action3	None <input type="button" value=""/>
Operator	None <input type="button" value=""/>				
<input type="button" value="Clear"/> <input type="button" value="Save"/>					

13. In the “Index” field, select “1” and in the “Action” field, select “Start” from the dropdown list. Click “Save” button to save the changes and get back to the Rule 1 Setting Page.

Timer Action Setting

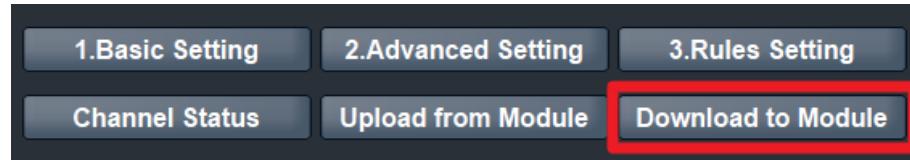
Index	<input type="button" value="1"/>
Action	<input type="button" value=""/> Start <input type="button" value=""/>
<input type="button" value="Save"/>	

14. Make sure all Rule 1 settings are accurate, click “Save” button to save the settings.

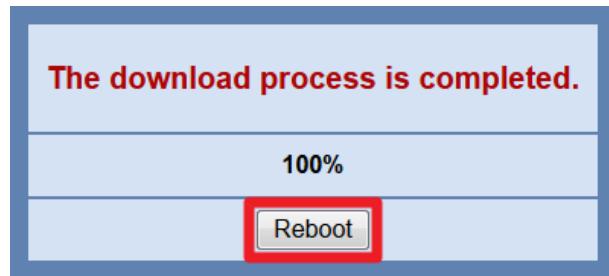
Rule1 Setting Page

<input type="button" value="Description"/> <input type="text"/>					
IF		THEN		ELSE	
Condition1	Timer <input type="button" value=""/>	Action1	Email <input type="button" value=""/> <input checked="" type="radio"/> One Time <input type="radio"/> Repeat	Action1	None <input type="button" value=""/>
Condition2	None <input type="button" value=""/>	Action2	Timer <input type="button" value=""/> <input checked="" type="radio"/> One Time <input type="radio"/> Repeat	Action2	None <input type="button" value=""/>
Condition3	None <input type="button" value=""/>	Action3	<input type="button" value=""/> None <input type="radio"/> DO <input type="radio"/> DI Counter <input type="radio"/> Timer <input type="radio"/> Email	Action3	None <input type="button" value=""/>
Operator	None <input type="button" value=""/>				
<input type="button" value="Clear"/> <input type="button" value="Save"/>					

15. After finish the rule editing, click the “Download to Module” button and input the password.



16. After the download process is completed, click “Reboot” button to make the new updated settings take effect.



- Rule Overview :

<img alt="A screenshot of the 'Rule Overview' section. It shows a rule named 'Rule1(Enable)' with the following details:- Description:
- < IF >
- Timer 1 Timeout
- < THEN >
- Send Email 1 (One Time)
- Timer 1 Start (One Time)