

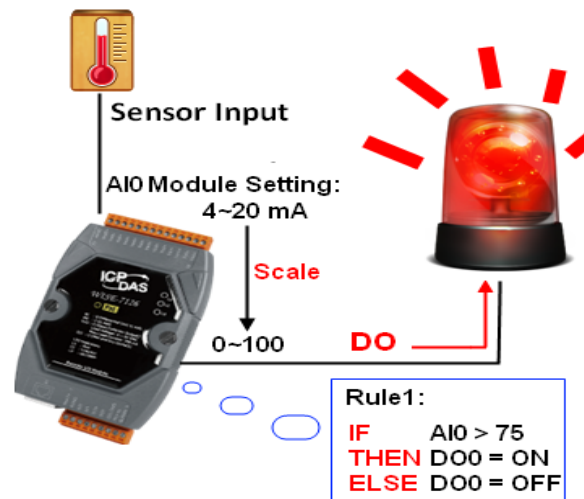
WISE AI Attribute

Application Example



- **Scenario :**

Assuming that a temperature sensor is connected to AI0 channel of a WISE controller, adjust the raw value read from AI0 (4 ~ 20mA) by the Scale function via linear approach to fit in the new range (0 ~ 100). When the value of AI0 (the adjusted value) exceeds 75, the warning light will be turn on and will real time inform the related personnel; if the value is less than 75, the warning light will be off.



- **Steps :**

1. Open the WISE WEB page, and get into the Basic Setting page.
2. Get into the Module Setting WEB page, and set up the input range of the AI0 channel as 4 ~ 20mA. Click "Save" button to complete the setting.

Module Setting Page

Module: WISE-7126

AO Voltage & Current Input

AO0	AO1
0 V ~ 5 V	0 V ~ 5 V

AI Voltage & Current Input

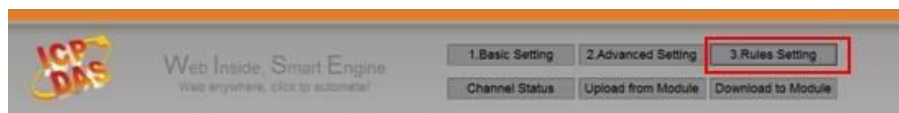
AI0	AI1	AI2	AI3
4 mA ~ 20 mA	-500 mV ~ 500 mV	-500 mV ~ 500 mV	-500 mV ~ 500 mV
-500 mV ~ 500 mV	AI5		
-1 V ~ 1 V	-500 mV ~ 500 mV		
-5 V ~ 5 V			
-10 V ~ 10 V			
0 ~ 20 mA			
-20 mA ~ 20 mA			
4 mA ~ 20 mA			

- Get into the Advanced Setting WEB page, then get into the AI Attribute Setting page. Assign the Deadband value as 5, and Scale range as 0 ~ 100. Click “Save” button to complete the setting.

AI Attribute Setting Page


Module & Channel	WISE-7126 Channel 0
Nickname	
Deadband	5 Scale: (0 ~ 100)
Scale	MIN 0 MAX 100

- Get into the Rule Setting WEB page, assume there is no rule existed in the Rule Overview section



- 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"/>	Rule 1	<input type="button" value="Edit"/>	
<input type="checkbox"/>	Rule 2	<input type="button" value="Edit"/>	
<input type="checkbox"/>	Rule 3	<input type="button" value="Edit"/>	
<input type="checkbox"/>	Rule 4	<input type="button" value="Edit"/>	
<input type="checkbox"/>	Rule 5	<input type="button" value="Edit"/>	

- Select AI as IF Condition for “Rule 1”, and then click on the right side  button to edit detail information.

Rules Setting Page

Rule 1


Description:

	IF		THEN		ELSE
Condition1	None 	Action1	None 	Action1	None 
Condition2	None 	Action2	None 	Action2	None 
Condition3	AI 	Action3	None 	Action3	None 
Operator	None				

- Complete “AI0 > 75” condition setting, then Click “Save” button to save the settings and return to Rules 1 Setting Page.

AI Condition Setting










Module & Channel	Operator	Value
WISE-7126 <input type="text"/> Channel <input type="text" value="0"/>	<input type="text" value=">"/>	Assign Value as <input type="text" value="75"/>

- Select DO as THEN ACTION for “Rule 1”, and then click on the right side  button for you to edit detail information.

Rules Setting Page

Rule 1


Description:

	IF		THEN		ELSE
Condition1	AI 	Action1	None 	Action1	None 
Condition2	None 	Action2	None 	Action2	None 
Condition3	None 	Action3	DO 	Action3	None 
Operator	None				

- Complete “DO0 = ON” action setting, then Click “Save” button to save the settings and return to Rules 1 Setting Page.

DO Action Setting

Module & Channel	WISE-7126 <input type="text"/> Channel <input type="text" value="0"/>
Channel Value	<input type="text" value="ON"/>

10. Select DO as ELSE ACTION for “Rule 1”, and then click on the right side  button for you to edit detail information.

Rules Setting Page

Rule1

Description

	IF		THEN		ELSE
Condition1	AI	Action1	DO	Action1	None
Condition2	None	Action2	One Time Repeat	Action2	None
Condition3	None	Action3	None	Action3	DO
Operator	None				None

11. Complete “DO0 = OFF” action setting, then Click “Save” button to save the settings and return to Rules 1 Setting Page.

DO Action Setting

Module & Channel	WISE-7126	Channel	0
Channel Value	OFF		

12. Confirm settings for Rule 1 and then Click “Save” button to save the settings and return to Rules Setting Page.


Rules Setting Page

Rule1

Description

	IF		THEN		ELSE
Condition1	AI	Action1	DO	Action1	DO
Condition2	None	Action2	One Time Repeat	Action2	None
Condition3	None	Action3	None	Action3	None
Operator	None				None

13. After finishing the Rule editing, click the “Download to Module” button to download edited rules from Web UI to WISE controller.


Web Inside, Smart Engine
Web Anywhere, Automation Anywhere!

● **Rule Overview :**

Rule Overview

Rule1(Enable)

Description:

< IF >

WISE-7126 AI0 > 75

< THEN >

WISE-7126 DO0 = ON (One Time)

< ELSE >

WISE-7126 DO0 = OFF (One Time)