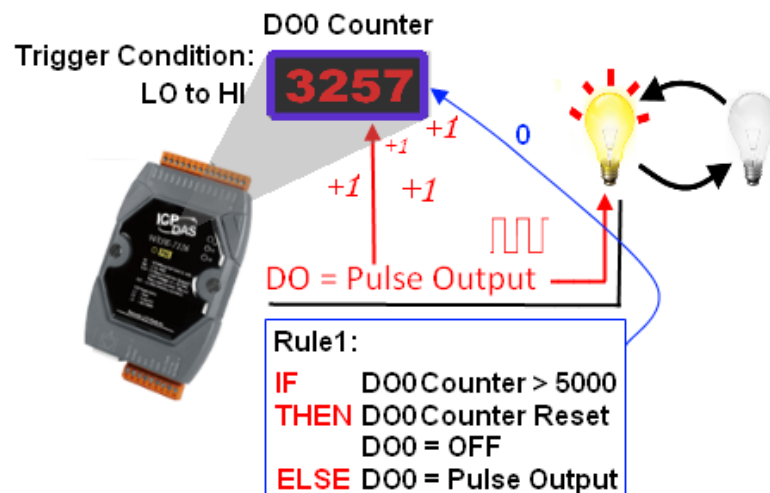


WISE DO Attribute Application Example



- **Scenario :**

Assume a warning light is connected to the DO0 channel on a WISE controller, the DO0 channel keeps on sending Digital Pulse Output signals so that the warning light will be triggered and keeps on flashing. At the same time, the DO0 Counter will keep on counting the frequency of the Pulse, and when the flashing frequency reaches a certain amount (in this example, 5000 times), the warning light will stop flashing.



- **Steps :**

1. Open the WISE WEB page, and get into the Basic Setting page.
2. Get into the DO Attribute Setting page. In the Counter field, assign condition as LO to HI. Click the "Enable Pulse Output" checkbox, and assign 100 (100 x10ms =1s) to the Pulse High field and Pulse Low field. Click "Save" button to complete the setting.

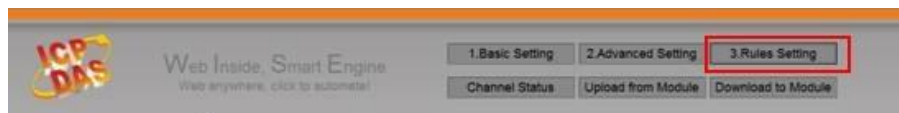
DO Attribute Setting Page

Module & Channel	WISE-7126 Channel 0
Nickname	
Power On Value	OFF

Counter	
Condition	LO to HI
Initial Value	0

<input checked="" type="checkbox"/> Enable Pulse Output	
Pulse High	100 X 10ms
Pulse Low	100 X 10ms

- 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 DO Counter 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	DO Counter <input type="button" value="edit icon"/>	Action1	None <input type="button" value="edit icon"/>	Action1	None <input type="button" value="edit icon"/>
Condition2	None <input type="button" value="edit icon"/>	Action2	None <input type="button" value="edit icon"/>	Action2	None <input type="button" value="edit icon"/>
Condition3	DI <input type="button" value="edit icon"/>	Action3	None <input type="button" value="edit icon"/>	Action3	None <input type="button" value="edit icon"/>
Operator	None <input type="button" value="edit icon"/>				

- Complete “DO0 Counter > 5000” condition setting, then click “Save” button to save the settings and return to Rules 1 Setting Page.

DO Counter Condition Setting

Module & Channel	WISE-7126	Channel	0
Value	>	5000	

- Select DO Counter as the first 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	DO Counter	Action1: None	Action1: None
Condition2	None	Action2: None	Action2: None
Condition3	None	Action3: DO Counter	Action3: None
Operator	None		

- Complete DO0 Counter “Counter Reset” action setting, then click “Save” button to save the settings and return to Rules 1 Setting Page.

DO Counter Action Setting

Module & Channel	WISE-7126	Channel	0
Action	Counter Reset		

- Select DO as the second THEN 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	DO Counter	Action1: DO Counter	Action1: None
Condition2	None	Action2: None	Action2: None
Condition3	None	Action3: None	Action3: None
Operator	None		

- 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		

11. Select DO as the ELSE 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	DO Counter	Action1: DO Counter	Action1: DO
Condition2	None	Action2: DO	Action2: None
Condition3	None	Action3: None	Action3: DO
Operator	None		DO Counter

12. Complete “DO0 = Pulse Output” 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	Pulse Output		

13. Confirm settings for Rule and then click “Save” button to save the settings and return to Rules Setting Page.

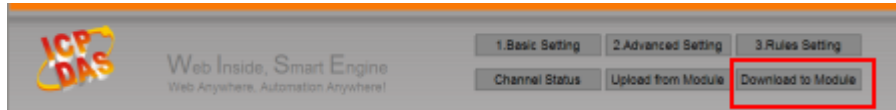
Rules Setting Page

Rule1

Description

	IF	THEN	ELSE
Condition1	DO Counter	Action1: DO Counter <input checked="" type="radio"/> One Time <input type="radio"/> Repeat	Action1: DO <input checked="" type="radio"/> One Time <input type="radio"/> Repeat
Condition2	None	Action2: DO <input checked="" type="radio"/> One Time <input type="radio"/> Repeat	Action2: None
Condition3	None	Action3: None	Action3: None
Operator	None		

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



- **Rule Overview :**

Rule Overview

Rule1(Disable)
Description:
< **IF** >
 WISE-7126 DO0 Counter > 5000
< **THEN** >
 WISE-7126 DO0 Counter Reset (One Time)
 WISE-7126 DO0 = OFF (One Time)
< **ELSE** >
 WISE-7126 DO0 = Pulse Output (One Time)