

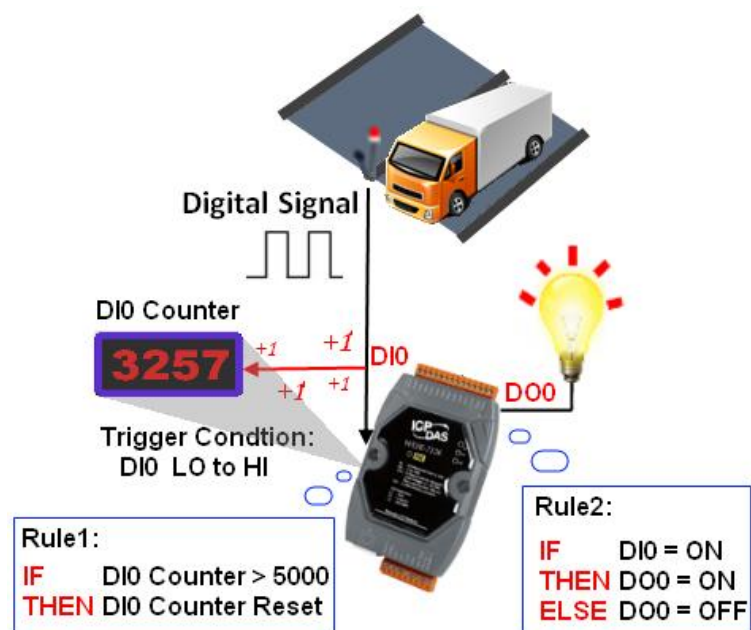
# WISE DI Attribute

## Application Example



- **Scenario :**

Assume a parking space equips with a sensor and light that are connected to DIO and DO0 channel respectively on a WISE controller for signifying its vacant status, when there is a car drive in the vacant space, the sensor will send out a digital signal, and the DIO channel will receive an ON signal, and then the DO0 channel will be changed to ON; the light will be on - indicating that this parking space has been occupied. When the car drives away, the sensor will send an OFF signal to DIO channel, at this time, DO0 will again being changed back to OFF and the light will be turn off at the same time. In addition, WISE controller allows to calculate the parking frequency via the DI Counter function. The DI counter will reset to 0 when it reaches certain preset amount, such as: 5000 times, and will re-calculate the frequency from 0.



- **Steps :**

1. Open the WISE WEB page, and get into the Advanced Setting page

- Get into the DI Attribute Setting page. In Counter field, assign condition as LO to HI. Click “Save” button to complete the setting.

**DI Attribute Setting Page**

Module & Channel	WISE-7126 Channel 0
Nickname	
Filter	0 X 10ms

Counter	
Condition	LO to HI
Initial Value	0

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

**ICP DAS** Web Inside, Smart Engine  
Web anywhere, click to automate!

- 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 style="border: 2px solid red;" 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 DI 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	DI Counter <input style="border: 2px solid red;" type="button" value="edit icon"/>	Action1	None	Action1	None
Condition2	None <input type="button" value="edit icon"/>	Action2	None	Action2	None
Condition3	DI Counter <input style="border: 2px solid red;" type="button" value="edit icon"/>	Action3	None	Action3	None
Operator	None				

- Complete "DI0 Counter > 5000" condition setting, then Click "Save" button to save the settings and return to Rules 1 Setting Page.

**DI Counter Condition Setting**

Module & Channel	WISE-7126	Channel	0
Value	>	5000	

- Select DI Counter 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	DI Counter	Action1
Condition2	None	Action2
Condition3	None	Action3
Operator	None	

- Complete DI0 Counter "Counter Reset" action setting, then Click "Save" button to save the settings and return to Rules 1 Setting Page.

**DI Counter Action Setting**

Module & Channel	WISE-7126	Channel	0
Action	Counter Reset		

- 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	DI Counter	Action1
Condition2	None	Action2
Condition3	None	Action3
Operator	None	

- Check the "Rule 2" checkbox to enable "Rule 2", then click "Rule 2" Edit button for "Rule 2" editing.

Enable	No.	Edit	Status
<input checked="" type="checkbox"/>	Rule 1	<input type="button" value="Edit"/>	OK
<input checked="" 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"/>	

11. Select DI as IF Condition for “Rule 2”, and then click on the right side  button to edit detail information.

**Rules Setting Page**

**Rule 2**


Description:

	IF		THEN		ELSE
Condition1	DI		Action1	None	
Condition2	None		Action2	None	
Condition3	DI Counter		Action3	None	
Operator	Rule Status				

12. Complete “DI0 = ON” condition setting, then Click “Save” button to save the settings and return to Rules 2 Setting Page.

**DI Condition Setting**












<b>Module &amp; Channel</b>	WISE-7126	Channel	0
<b>Channel Value</b>	ON		

13. Select DO as THEN ACTION for “Rule 2”, and then click on the right side  button for you to edit detail information.

**Rules Setting Page**

**Rule 2**


Description:

	IF		THEN		ELSE
Condition1	DI		DO		
Condition2	None		None		
Condition3	None		AO		
Operator	None		DI Counter		
			Rule Status		

14. Complete “DO0 = ON” action setting, then Click “Save” button to save the settings and return to Rules 2 Setting Page.

**DO Action Setting**

Module & Channel	WISE-7126	Channel	0
Channel Value	ON		

15. Select DO as ELSE ACTION for “Rule 2”, and then click on the right side  button for you to edit detail information.

**Rules Setting Page**

**Rule2**

Description

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

16. Complete “DO0 = OFF” action setting, then click “Save” button to save the settings and return to Rules 2 Setting Page.

**DO Action Setting**

Module & Channel	WISE-7126	Channel	0
Channel Value	OFF		

17. Make sure Rule 2’s setting, then click “Save” button to save the settings and return to Rules Setting Page.

**Rules Setting Page**

**Rule2**

Description

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

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

**ICP DAS** Web Inside, Smart Engine  
Web Anywhere, Automation Anywhere!

- **Rule Overview :**

*Rule Overview*

**Rule1(Enable)**

Description:

< **IF** >

WISE-7126 DI0 Counter > 5000

< **THEN** >

WISE-7126 DI0 Counter Reset (One Time)

**Rule2(Enable)**

Description:

< **IF** >

WISE-7126 DI0 = ON

< **THEN** >

WISE-7126 DO0 = ON (One Time)

< **ELSE** >

WISE-7126 DO0 = OFF (One Time)