Fiche technique





Introduction_

WISE (Web Inside, Smart Engine) is a product series developed by ICP DAS that functions as control units for use in remote logic control and monitoring in various industrial applications. WISE offers a user-friendly and intuitive web site interface that allows users to implement IP-THEFLESE control logic on controllers just a few class away; no programming is required. With Its powerful and esspic-use features, it will imminize the learning ours, shorten time to market and domatischy relace the first and cost spect on system development.

WISE-7167 follows IEEE 802.3af-compliant (classification, Class 1) Power over Ethernet (PoE) specification. It allows receiving power from PoE enabled network by Ethernet pairs (Category 5 Ethernet cable). This feature provides greater flexibility and higher efficiency threefore simplifying system design, swing space, reducing cables and eliminating the requirement for dedicated electrical outst. Howmilkin, in case under a non-PdE environment, VISE-7167 will be able to receive power from availary power sources like Acadgeses or battery, etc.

This module WISE-7167 supports Modbus/TCP protocol to make seamless integration with SCADA software available. It features 8-channel power relay outputs. Each power relay supports contact rating as 5.4 @ 250 V/u.c or 5.4 @ 30 V/c.

Applications_

Building Automation, Factory Automation, Machine Automation, Remote Maintenance, Remote diagnosis and Testing Equipment, etc.

I/O Specifications.

Relay Output				
Output Channels		8		
Output Type		Power Relay, Form A (SPST N.O.)		
Operating Voltage Range		250 VAC/30 VDC		
Max. Load Current		5.0A/channel at 25 °C		
Operate Time		6 ms		
Release Time		3 ms		
Electrical	VDE	5A 250 V _{AC} 30,000 ops (10 ops/minute) at 75 °C		
Life		5A 30 Vrc 70,000 ops (10 ops/minute) at 75 °C		
(Resistive	u	5A 250 VAc/30 VDC 6,000 ops.		
Load)	UL	3A 250 V _{AC} /30 V _{DC} 100,000 ops.		
Mechanical Life		20,000,000 ops. at no load (300 ops./minute)		

System Specifications

System				
CPU	16-bit CPU			
SRAM	512 KB			
Flash Memory	512 KB			
EEPROM	16 KB			
Dual Watchdog	Yes			
Communication				
PoE Ethernet Port	10/100 Base-TX (With Link, Activity LED Indicator) and automatic MDI/MDI-X			
2-Way Isolation				
Ethernet	1500 Vpc			
Relay Output	3000 Vrms			
LED Indicators				
PoE	PoE On			
L1	Run			
L2	Link/Act			
L3	10/100M			
Power Requirements				
IEEE 802.3af	Class 1			
Required Supply Voltage	Powered by Power over Ethernet (PoE) or auxiliary power +12 V $_{\text{DC}} \sim$ +48 V $_{\text{DC}}$ (non-regulated)			
LED Indicator	Yes			
Power Consumption	0.14 A @ 24 Voc Max.			
Mechanical				
Dimensions (W x H x D)	72 mm x 123 mm x 35 mm			
Installation	DIN-Rail or Wall mounting			
Environment				
Operating Temperature	-25 °C ~ +75 °C			
Storage Temperature	-30 °C ~ +80 °C			
Humidity	5 ~ 90% RH, non-condensing			

WISE-71xx Series (Web based PoE

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Software Specifications

Functions		
Rule Configuration Website	Access Web server on WISE controllers to edit and upload logic rules through web browser.	
36 IF-THEN-ELSE Logic Rules	3 IF conditions with AND or OR operators 3 THEN actions and 3 ELSE actions	
48 Internal Registers	Hold temporary variables and read/write data via Modbus/TCP address.	
12 Timers	Delay / Timing functions.	
12 Emails	Send Email messages to pre-set Email receivers.	
12 CGI Commands	Send pre-set CGI commands.	
12 Recipes	Set up THEN/ELSE action groups.	
8 P2P remote modules	Set up the connection information for the remote WISE modules.	
Modbus/TCP Protocol	Real time control and monitoring I/O channels and system status of controllers via SCADA software.	

1F Conditions		
Internal Register	= ` > ` < ` >= ` <=(value)	
DO Counter	= ` > ` < ` >= ` <=(value) ` Change	
Timer	Timeout Not Timeout	
P2P	DI AI DI counter DO counter IR	
Rule Status	Enable · Disable	



Ethernet I/O Modules

WISE-71xx Series (Web based PoE)

WISE-7167

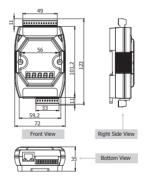
Pin Assignment



Wire Connection -

Digital Output	Readback as 1	Readback as 0
	Relay On	Relay Off
Relay Output	RLx.COM Relay Close (AC/BC LOAD RLx.NO : To other : channels	RLx.COM Relay Open RLX.NO RLX.NO RLX.NO Channels

Dimensions (Unit: mm)



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