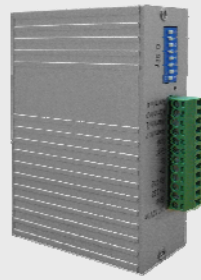
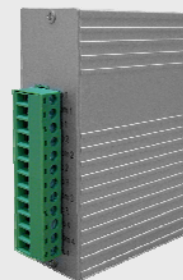


# WVP-190

## Network Alarm GPIO Expansion Module



Signal Connection



Relay Connection

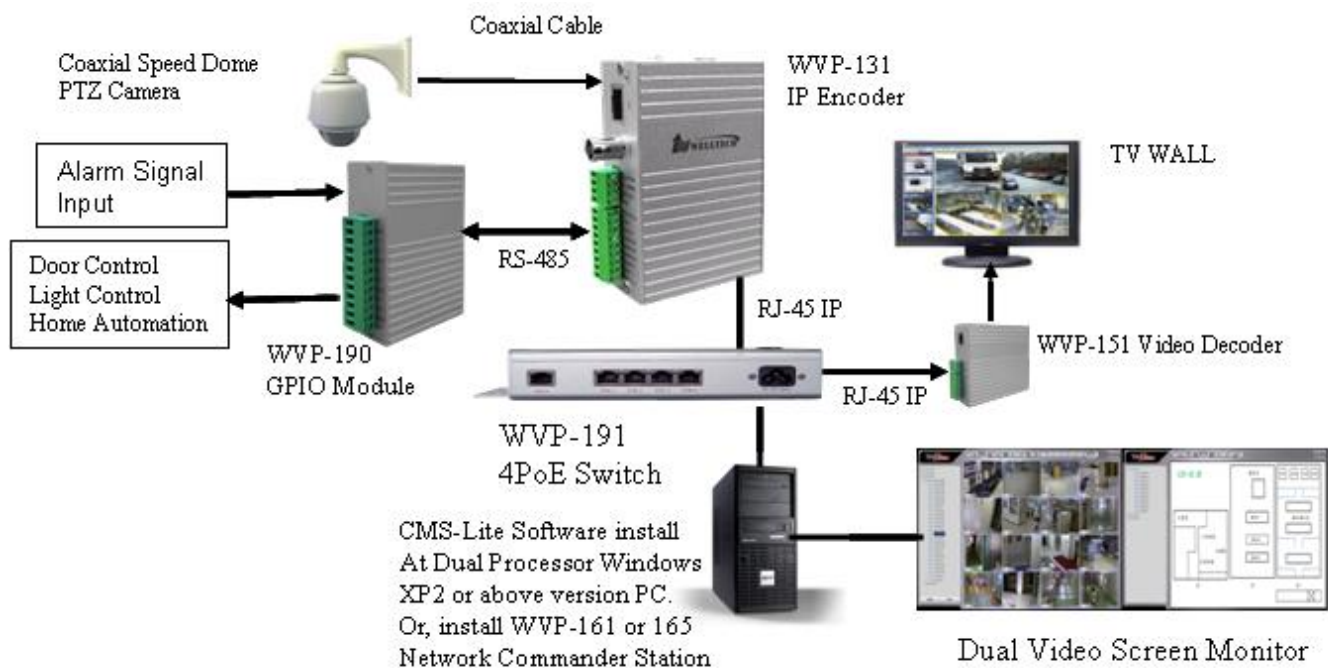
WVP-190 is an Alarm signal detection and external devices control unit. Using RS-485 communication protocol behind WVP-131 IP Video Encoder or WVP-120 or WVP-126 IP Camera, it can be managed by CMS-Lite Central Management Server and WVP-161 or WVP-165 Network Commander Station to implement Office or Home Automation and Security Access Control System.

Since WVP-190 Alarm control module was installed together with IP Camera and IP Video Encoder by RS-485 interface, it provides real time response with proper action once Surveillance system detect abnormal situation via voice, alarm signal and Video image.

Four sets of control relay provide Normal Open ( NO ) and Normal Close ( NC ) dry contacts to control external devices such as Door Open/Close, Activate Announcement System, Light turn ON/OFF and any desired equipment to activate and deactivate.

### Application with IP Video Encoder

One WVP-190 GPIO Alarm Module connects to WVP-131 IP Encoder via RS-485 control bus and managed by CMS-Lite or WVP-165 or 161 Network Commander Station.



# WVP-190

## Network Alarm GPIO Expansion Module

### Terminal Block Definition

The following table describes signal terminal block definition. DIP Switch #1 to #4 configure WVP-190 RS-485 address. The #5 to #7 set up RS-485 baud rate speed with bps. The Pin #8 configure RS-485 or RS-232 communication protocol.

ID Setting				BaudRate Setting				Rs232/485		
#1	#2	#3	#4	#5	#6	#7	Bits/sec (bps)	#8	Type	
0	0	0	0	ID 00	0	1	1	1,200	0	RS485
1	0	0	0	ID 01	1	0	1	2,400	1	Rs232
0	1	0	0	ID 02	0	0	1	4,800		
1	1	0	0	ID 03	1	1	0	9,600		
0	0	1	0	ID 04	0	1	0	19,200		
1	0	1	0	ID 05	1	0	0	38,400		
0	1	1	0	ID 06	0	0	0	57,600		
1	1	1	0	ID 07						
0	0	0	1	ID 08						
1	0	0	1	ID 09						
0	1	0	1	ID 10	Not used! Reserved for future expansion					
1	1	0	1	ID 11						
0	0	1	1	ID 12						
1	0	1	1	ID 13						
0	1	1	1	ID 14						
1	1	1	1	ID 15						

The Pin Assignment of 3.5mm pitches describe Alarm Signal input, DC 12V input and RS-485/RS-232 installation. Also, the 5mm Pitch of terminal Block provide C, NC and NO Relay dry contact definition.

3.5mm pitch		5mm pitch		
#1	DC12V In	#1	Relay Output 1	NO1
#2	Power GND	#2		Comm
#3	Tx	#3		NC1
#4	Rx	#4	Relay Output 2	NO2
#5	DT+	#5		Comm
#6	DT-	#6		NC2
#7	Alarm In GND	#7	Relay Output 3	NO3
#8	Alarm In GND	#8		Comm
#9	Alarm 1	#9		NC3
#10	Alarm 2	#10	Relay Output 4	NO4
#11	Alarm 3	#11		Comm
#12	Alarm 4	#12		Nc4

### SPECIFICATION

#### Features :

- Cascade up to 16 units via RS-485 per IP node  
(Behind WVP-131 IP Encoder or WVP-120, 126 IP Camera)
- Support NO (Normal Open ) and NC (Normal Close) dry contact Relay  
To control external application devices and Alarm System.
- Selectable RS-485 and RS-232 communication mode
- Four Alarm Signal Input ports for diverse sensing application
- Managed by Welltech's Central Management CMS-Lite software.  
and Remote client CMS Software

#### Electrical Interface :

Alarm Input : TTL signal x 4 sets ( 3.5 mm Pitch )  
 Control Output : NC(Normal Close), NO(Normal Open) Relay x 4  
 Output Relay Rating : 110VAC/10A or 230VAC/5A  
 Communication Mode: RS-485 or RS-232  
 Max. Module per IP : 16 units of Module per IP node by Cascaded  
 Protocol Baud rate : 2400, 4800, 9600, 19200, 38400, 57600,  
 115200 bps selectable

#### Power Requirements :

Power Input : DC 12V, 350mA  
 Power Consumption : Less than 5 Watts

#### Power Requirements :

Power Input : DC 12V, 350mA  
 Power Consumption : Less than 5 Watts

#### Mechanical:

Enclosure material : Aluminum  
 Installation : Wall-Mount or Desktop  
 Physical Dimension : 97 x 82 x 33 mm  
 Weight : 300 grams with packing

#### Environment:

Operating Temperature : 0 to 50 degree C  
 Operating Humidity : 10% to 80% R.H non-condensing  
 Storage Temperature : -10 to +70 degree C  
 Storage Humidity : 5% to 95% ( non-condensing )

#### Approvals:

CE, FCC, LVD and RoHS

#### Country of origin:

Made in Taiwan

#### Warranty

One year



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