

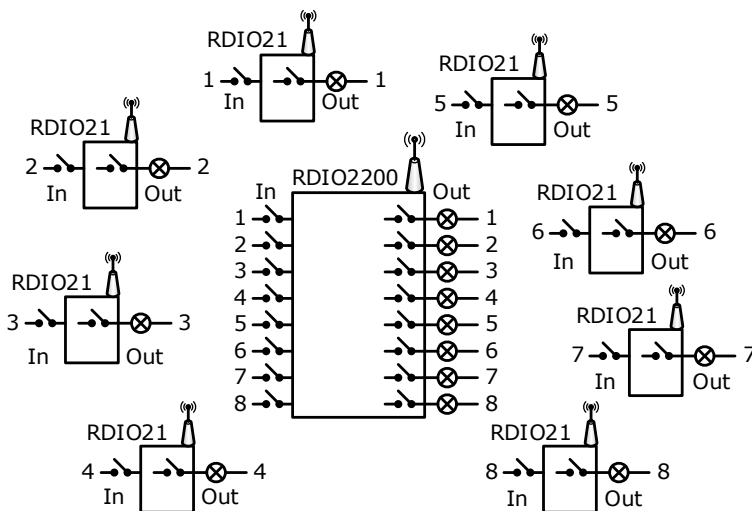
Remote Wireless Switch (Type A)

RDIO2200



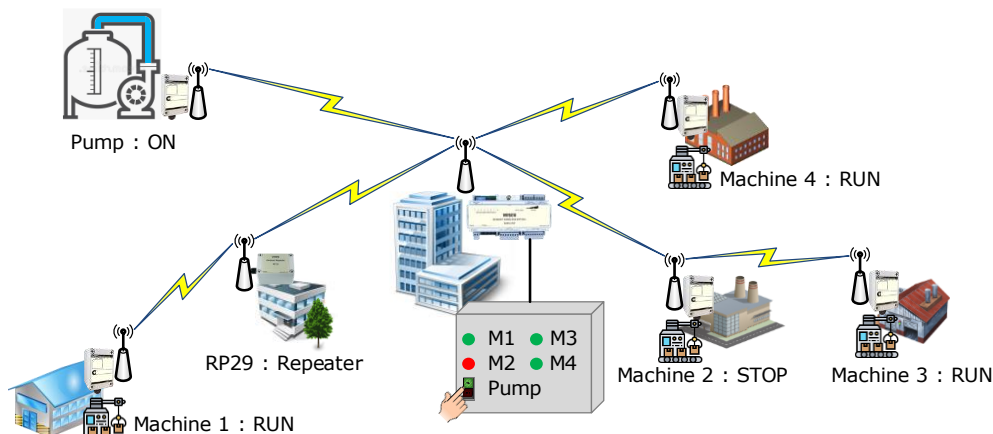
- Control 8 Digital Input/Output
- Support 8 Device Endpoints
- Long Distance 700 m.
(With Antenna Gain > 8 dbi)
- No Wiring (RF Link)

Remote Wireless Switch RDIO2200 This device controls a switch to turn electrical equipment on and off remotely via radio signals, helping to save on wiring and installation costs.



This system utilizes the RDIO2200 to receive digital input signals and transmit them to control the digital outputs of the remote RDIO21 unit; simultaneously, digital input signals received by the RDIO21 are sent back to control the digital outputs of the RDIO2200.

The operation of the RDIO2200 is as follows: when the source RDIO2200's Di1 input turns "ON," the destination RDIO21's output turns "ON." The status light flashes when communication with the destination device is established and turns off if communication cannot be established.



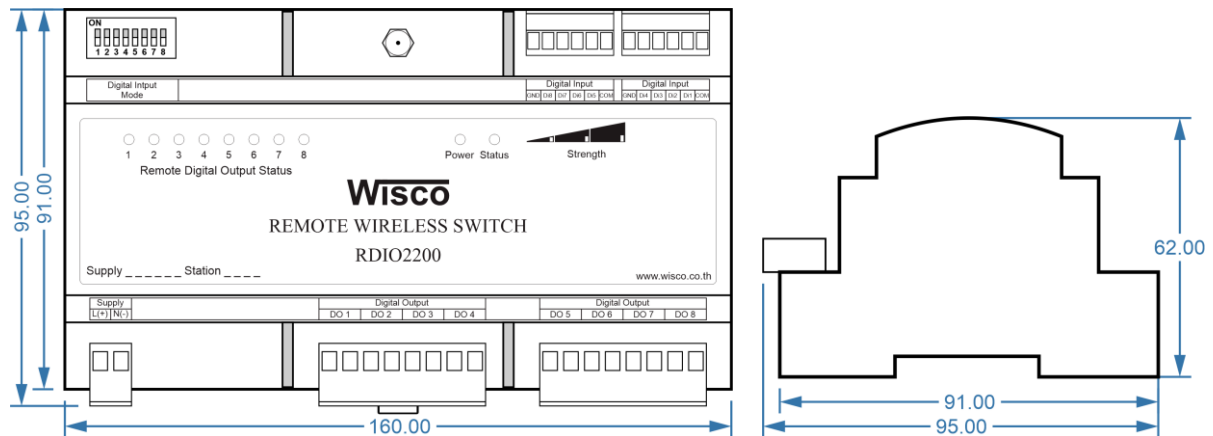
Specifications	RDIO2200	RDIO21
	 - Control 8 Channels Digital Input/Output - Output Relay Contact - Long Distance 700 m. - Mounting DIN Rail	 - Control 1 Channel Digital Input/Output - Output Relay Contact - Long Distance 700 m.
Wireless Interface		
Frequency Band:	2.4 GHz	2.4 GHz
Rx Sensitivity:	-102 dBm	-102 dBm
Tx Power:	+18 dBm (Max)	+18 dBm (Max)
Transmission Distance:	Up to 90 m. Indoor/Urban Up to 700 m. Outdoor RF Line-of-Sight (With Antenna Gain > 8 dBi)	Up to 90 m. Indoor/Urban Up to 700 m. Outdoor RF Line-of-Sight (With Antenna Gain > 8 dBi)
Antenna Connector:	RP-SMA, Jack/Female	RP-SMA, Jack/Female
Digital Input		
Number of Channel:	8 Channels	1 Channel
Sensor Type:	Wet Contact or Dry Contact	Wet Contact or Dry Contact
Wet Contact (DI to COM):	ON : 12 to 24 VDC OFF : 0 VDC	ON : 12 to 24 VDC OFF : 0 VDC
Dry Contact (DI to GND):	ON : Short to GND OFF : Open	ON : Short to GND OFF : Open
Isolation:	Opto Isolated	Opto Isolated
Relay Output		
Number of Channel:	8 Channels	1 Channel
Relay Type:	N.O.	N.O.
Contact Rating:	5 A @ 250 VAC 5 A @ 30 VDC	5 A @ 250 VAC 5 A @ 30 VDC
Power Requirements		
Power Supply:	85 to 230 VAC (12 to 35 VDC Optional)	12 to 35 VDC
Power Consumptions		
Operate:	-	65 to 100 mA (Max.) @ 12 VDC
Environmental Limits		
Operating Temperature:	0 to 55 °C	0 to 55 °C
Operating Humidity:	5 to 95% RH	5 to 95% RH
Storage Temperature:	0 to 70 °C	0 to 70 °C
Physical Characteristics		
Dimension:	W160 x H91 x D62 mm.	W115 x H65 x D56 mm.
Mounting:	DIN Rail	-
Warranty		
Warranty Period:	5 Year	5 Year

Model:	RDIO2200	RDIO21
Ordering Information:	Specify Power Supply	-
Example:	RDIO2200/85-230VAC	RDIO21
Package Checklist:	1. RDIO2200	1. RDIO21

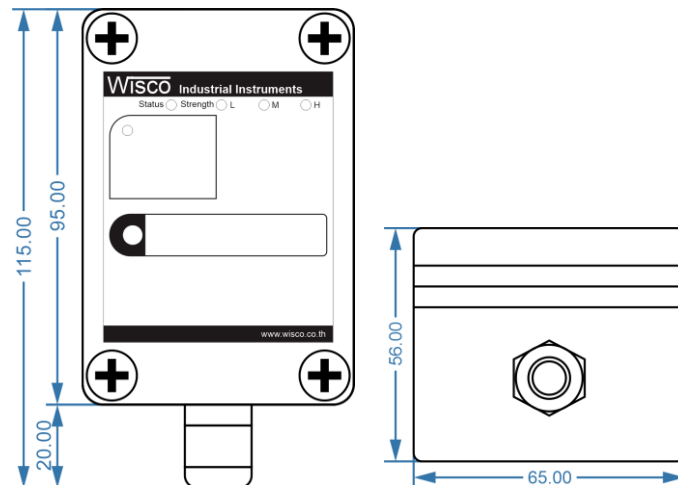
*****Note: The Packet Not Include Antenna**

Dimension: (Unit: mm.)

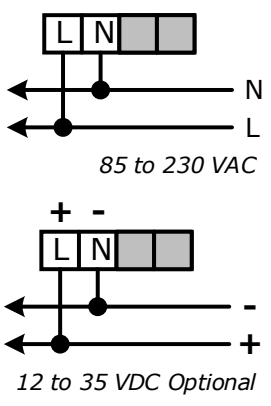
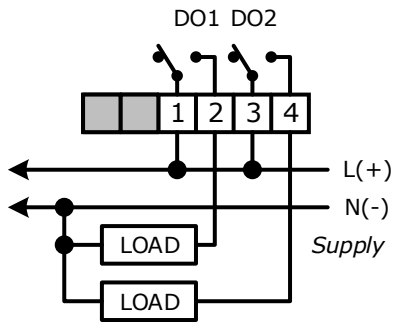
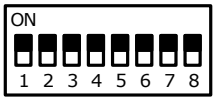
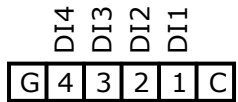
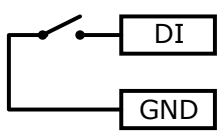
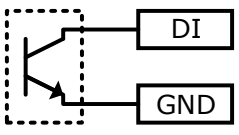
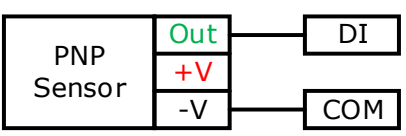
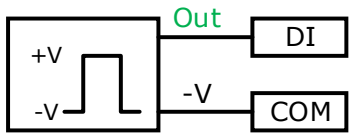
RDIO2200



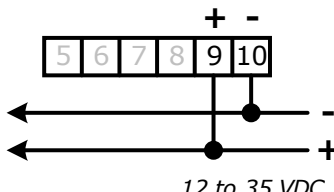
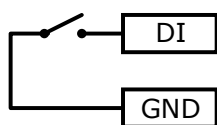
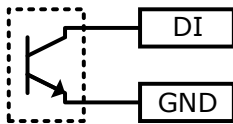
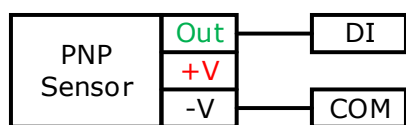
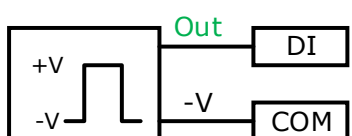
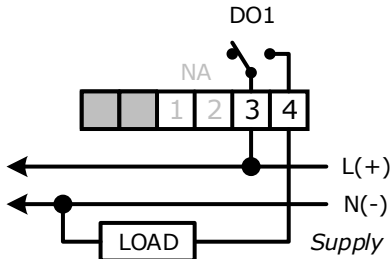
RDIO21



Wiring

Model: RDIO2200	
Supply  85 to 230 VAC 12 to 35 VDC Optional	Digital Output  Example Wiring Output Channel 1, 2
DIP Switch (Digital Input Mode)  ON = Momentary OFF = Toggle	Digital Input  G = GND C = COM DI = Digital Input
DI: Dry Contact  DI: NPN Open Collector 	DI: Wet Contact (PNP Output)  DI: Wet Contact or D.C. Pulse 

Model: RDIO21

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Digital Output 	DIP Switch Remote Digital I/O Channel (DIP S1-S3) <table><tr><th>I/O Channel</th><th>S1</th><th>S2</th><th>S3</th></tr><tr><td>1</td><td>OFF</td><td>OFF</td><td>OFF</td></tr><tr><td>2</td><td>ON</td><td>OFF</td><td>OFF</td></tr><tr><td>3</td><td>OFF</td><td>ON</td><td>OFF</td></tr><tr><td>4</td><td>ON</td><td>ON</td><td>OFF</td></tr><tr><td>5</td><td>OFF</td><td>OFF</td><td>ON</td></tr><tr><td>6</td><td>ON</td><td>OFF</td><td>ON</td></tr><tr><td>7</td><td>OFF</td><td>ON</td><td>ON</td></tr><tr><td>8</td><td>ON</td><td>ON</td><td>ON</td></tr></table> Digital Input Mode <table><tr><th rowspan="2">S4 (DI1)</th><td>OFF</td><td>Toggle</td></tr><tr><td>ON</td><td>Momentary</td></tr></table>			I/O Channel	S1	S2	S3	1	OFF	OFF	OFF	2	ON	OFF	OFF	3	OFF	ON	OFF	4	ON	ON	OFF	5	OFF	OFF	ON	6	ON	OFF	ON	7	OFF	ON	ON	8	ON	ON	ON	S4 (DI1)	OFF	Toggle	ON	Momentary
I/O Channel	S1	S2	S3																																									
1	OFF	OFF	OFF																																									
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