Wireless Pushbutton Switch
A2W

Wireless switch using sub-GHz band Combines wireless reliability and ease-of-use in consideration of work environments
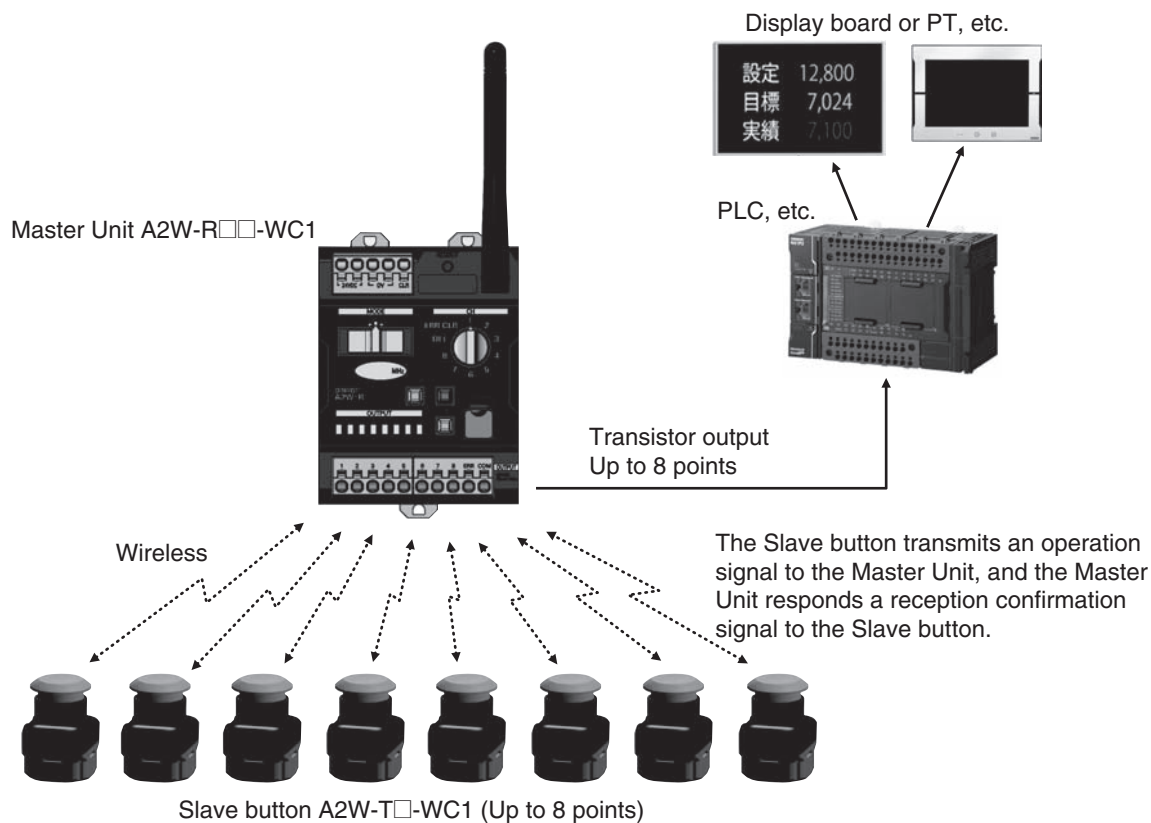
- Sub-GHz band for reduced interference and better signal propagation to difficult-to-reach areas
- Visualization of impedance to wireless transmission because of damage or noise, using Master Unit error output
- Visualization of Slave button reception status using reception confirmation LEDs
- Transmission distance independent of the transmission position of the Slave button
- Visualization of configuration using PC tools ✻ that avoid erroneous ID registration
- Visualization of signal quality in display and usage environments using PC tools ✻
- 8 outputs with focus on decentralized control
- Self-power generation eliminates battery replacement and enhances safety and energy saving in the Slave button
- Slave button's shape allows easy use of buttons

✻ Release planned for April 2018

For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

System Components

Display board or PT, etc.

設定 12,800
目標 7,024
実績 7,100

PLC, etc.

Master Unit A2W-R□□-WC1

Transistor output
Up to 8 points

Wireless

The Slave button transmits an operation signal to the Master Unit, and the Master Unit responds a reception confirmation signal to the Slave button.

Slave button A2W-T□-WC1 (Up to 8 points)

A2W

Model Number Structure

Model Number Structure
Slave button

A 2 W- ☐☐ - WC☐ ☐☐☐☐☐
　　　1　2　　　　3　　4　5　6　7

1.

Slave button
T

2.

Frequency (MHz)	
C	922.5

3.

Protocol	
1	OMRON's protocol

4.

Area	
US	United States or Canada

5.

Button type	
1	Mushroom
2	Full guard

6.

Button color	
R	Red
G	Green
Y	Yellow
A	Blue
W	White
B	Black

7.

Flange color	
R	Red
Y	Yellow
B	Black

Note: This product is a wireless device that conforms to the radio regulations of United States or Canada.
It cannot be used outside of United States or Canada.
For product details, please contact us separately.

Master Unit

A 2 W- ☐☐☐ - WC☐ ☐☐
　　　1　2　3　　　4　5

1.

Master Unit
R

2.

Frequency (MHz)	
C	922.5

3.

Output Configuration	
N	Sinking Outputs
P	Sourcing Outputs

4.

Protocol	
1	OMRON's protocol

5.

Area	
US	United States or Canada

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Ordering Information

Unit

Type	Button type	Frequency (MHz)	Area	Button color	Flange color	Model
Slave button	Mushroom	922.5	United States or Canada	Red	Black	**A2W-TC-WC1 US1RB**
			United States or Canada	Green	Black	**A2W-TC-WC1 US1GB**
			United States or Canada	Yellow	Black	**A2W-TC-WC1 US1YB**
			United States or Canada	Blue	Black	**A2W-TC-WC1 US1AB**
			United States or Canada	White	Black	**A2W-TC-WC1 US1WB**
			United States or Canada	Black	Red	**A2W-TC-WC1 US1BR**
			United States or Canada	Black	Yellow	**A2W-TC-WC1 US1BY**
			United States or Canada	Black	Black	**A2W-TC-WC1 US1BB**
	Full guard		United States or Canada	Red	Black	**A2W-TC-WC1 US2RB**
			United States or Canada	Green	Black	**A2W-TC-WC1 US2GB**
			United States or Canada	Yellow	Black	**A2W-TC-WC1 US2YB**
			United States or Canada	Blue	Black	**A2W-TC-WC1 US2AB**
			United States or Canada	White	Black	**A2W-TC-WC1 US2WB**
			United States or Canada	Black	Red	**A2W-TC-WC1 US2BR**
			United States or Canada	Black	Yellow	**A2W-TC-WC1 US2BY**
			United States or Canada	Black	Black	**A2W-TC-WC1 US2BB**

Master Unit

Type	Frequency (MHz)	Area	Output configuration	Model
Master Unit	922.5	United States or Canada	Sinking Outputs	**A2W-RCN-WC1 US**
			Sourcing Outputs	**A2W-RCP-WC1 US**

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Options (sold separately)

Type	Model	Remarks
High-sensitivity magnetic-base antenna	**A2W-AT2.5-WC1**	Frequencies: all frequencies supported, cable length 2.5 m Degree of protection: IP65
Slave button holder	**A2W-H-WC1**	One A2W-H-WC1 is included at purchase of a slave unit.
Slave button strap	**A2W-S-WC1**	