Wireless Serial Communication

Wireless Communication by UHF(400MHz) Band
- Most existing Industrial wireless devices use microwave frequency(2~5GHz)
- Microwaves have many limits in industrial fields due to straight and attenuation properties
- UHF band can support long-range communication because it is more robust than microwave frequency

Product Info.
- M110A
  - RS232/RS485 User Selectable
  - Serial Baud Rate User Selectable
  - “point-to-point,” “point-to-multipoint” Communication Possible

RF Features
- Use 434MHz
- Expected Line-of-Sight: Up to 1.5Km

Applications
- Wireless Serial Communication
- FA, Environment Monitoring, u-City, u-Farming

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Wireless Transmission of Analog Output Sensor Signal

Wireless Communication by UHF(400MHz) Band
- Most existing Industrial wireless devices use microwave frequency(2~5GHz)
- Microwave frequency has many limit in industrial field because straight and attenuation property
- UHF band can long range communication because that is more robust than microwave frequency

Product Info.
- W210A
  - Analog Input 2Ch (16Bit resolution)
  - 0~5V, 0~10V, 4~20mA User Selectable
- M110A

RF Features
- Use 434MHz
- Expected Line-of-Sight : Up to 1.5Km

Applications
- Wireless Serial Communication
- FA, Environment Monitoring, u-City, u-Farming

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Wireless Transmission of On/Off Status, Wireless On/Off Control

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Product Info.
- W310A
  - Digital Input 8Ch
  - Digital Output 8Ch
- M110A

RF Features
- Use 434MHz
- Expected Line-of-Sight : Up to 1.5Km

Applications
- Wireless Serial Communication
- FA, Environment Monitoring, u-City, u-Farming
**Wireless Transmission of On/Off Status**

**Wireless Communication by UHF(400MHz) Band**
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**Product Info.**
- W410A
  - Digital Input 4Ch
- M110A

**RF Features**
- Use 434MHz
- Expected Line-of-Sight : Up to 1.5Km

**Applications**
- Wireless Serial Communication
- FA, Environment Monitoring, u-City, u-Farming

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Wireless Analog Control

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Product Info.
- W510A
  - Analog Output 2Ch (16Bit resolution)
  - 0~5V, 0~10V, 4~20mA User Selectable
- M110A

RF Features
- Use 434MHz
- Expected Line-of-Sight : Up to 1.5Km

Applications
- Wireless Serial Communication
- FA, Environment Monitoring, u-City, u-Farming
Wireless Digital/Analog/Serial Data Acquisition and Control

Wireless Communication by UHF(400MHz) Band
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Product Info.
- W110A
  - RS232 Communication
  - Digital Input 8Ch, Digital Output 8Ch
  - Analog Input 5Ch
- M110A

RF Features
- Use 434MHz
- Expected Line-of-Sight : Up to 1.5Km

Applications
- Wireless Serial Communication
- FA, Environment Monitoring, u-City, u-Farming

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Wireless Analog Signal Input/Output

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- Microwave frequency has many limit in industrial field because straight and attenuation property
- UHF band can long range communication because that is more robust than microwave frequency

Product Info.
- W210A
  ✓ Analog Input 2Ch (16Bit resolution)
  ✓ 0~5V, 0~10V, 4~20mA User Selectable
- W510A
  ✓ Analog Output 2Ch (16Bit resolution)
  ✓ 0~5V, 0~10V, 4~20mA User Selectable

RF Features
- Use 434MHz
- Expected Line-of-Sight : Up to 1.5Km

Applications
- Wireless Serial Communication
- FA, Environment Monitoring, u-City, u-Farming

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Point-to-Point Communication

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Point-to-Multipoint Communication

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Feature
- Master Device trying to send command to specified Slave Device ID
- All Slave Devices are receiving command from Master Device
- Specified Slave Device ID work for Master Device wants