

## DIP SWITCHES (WIRELESS COMMUNICATION)

### SWITCHES 1 - 4

Set the channel for wireless communication. The default value is 2, with only switch 2 ON (Up).

Switch grouping uses binary math to get their value. Add the positional value of each switch.

Switch 1 = 8

Switch 2 = 4

Switch 3 = 2

Switch 4 = 1

If switches 1 and 3 are ON (Up), the channel is set to 10. (8+2).

Do not use channels 14 or 15 for technical reasons.

### SWITCHES 5 - 7

Set the network switches for wireless communication. Network switches should not be used unless all available channels are in use. The default value is 0, with all switches OFF (Down).

Switch grouping uses binary math to get their value. Add the positional value of each switch.

Switch 5 = 4

Switch 6 = 2

Switch 7 = 1

If switches 6 and 7 are ON (Up), the network is set to 3. (2+1).

### SWITCH 8

Turn switch 8 ON (Up) when the communication bridge has a good reception but devices beyond it do not. With switch 8 ON (Up), the module acts as a repeater, extending the range of the wireless network.

The default is OFF (Down).

### SWITCH 9

Sets what type of communication conversion the bridge will be performing.

When ON (Up), the bridge is set for wired to wireless conversion.

When OFF (Down), the bridge is set for wireless to wired conversion.

### SWITCH 10

Switch 10 should be ON (Up) when an external antenna is attached to your device. With switch 10 ON (Up), the module uses an external antenna, improving the ability to communicate. Switch 10 should be OFF (Down) if no external antenna is attached.

The communication bridge should always use an external antenna.

## WIRED COMMUNICATION PORTS

The communication bridge contains two wired communication ports to allow for daisy chaining of the wired communication signal. Both ports may act as an input and output.

## WIRELESS TO WIRED

Switch 9 should be OFF (Down) when converting communication from wireless to wired.

## WIRED TO WIRELESS

Switch 9 should be ON (Up) when converting communication from wired to wireless.

When in wired to wireless mode, switch 8 becomes non-functional. A wired to wireless bridge may not be set to repeat mode.