

Parameters

Electrical Parameters	
Input voltage	85~260VAC, 50/60Hz
Power consumption	1.15W
Output	24VDC 100mA
Wireless transmission power	+10dbm
Wireless sensitivity	-90dbm
Indoor communication distance	<=30m (barrier free)
RSSI received signal strength indication	>-80dbm
Frequency allocation	
(China) WPAN	780 to 786MHz
(Europe) SRD	864 to 870MHz
(North America) ISM	904 to 928MHz
Default band	780 MHz
Default PSK	HDL-SecurityKey0
Environmental Conditions	
Working temperature	-10°C~45°C
Working relative humidity	<90%
Storage temperature	-20°C~+60°C
Storage relative humidity	<93%
Approved	
CE	
RoHS	
Product Information	
Dimensions	48.2x43.6x21.3 (mm)
Weight	38g
Housing material	ABS
Installation	Stickup installation
Protection rating	IP20
Fire and null	0.5~1.5mm ²
Stripping length	5~7mm

Installation

- Select the suitable place to install it, just need to use the double-sided foam tape to fix it
- Connect with the AC power
- Connect with the Buspro device
- Let the converter enter the setup mode, and then communicate with the Mesh gateway
- Set the device ID and subnet ID of buspro device

Overview



The HDL-MBUS/GW-RF.40 is a wireless converter enabling Buspro wired devices to be incorporated in to a Buspro wireless network.

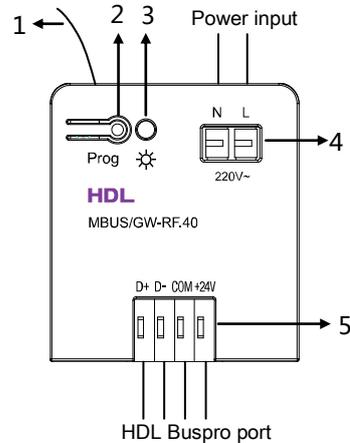
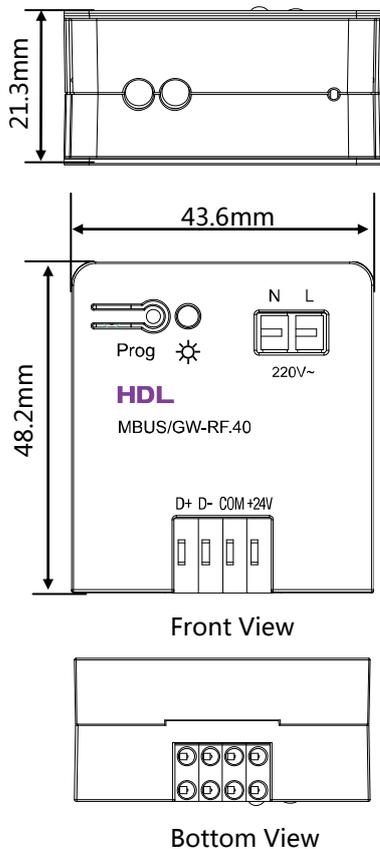
Functions

- Supports IEEE.802.15.4
- Provides power to HDL Buspro devices, while enabling them to be connected to a Buspro wireless network.
- Online upgrades are supported for both the HDL-MBUS/GW-RF.40, and the module it is connected to.
- Supports easy programming

Notice

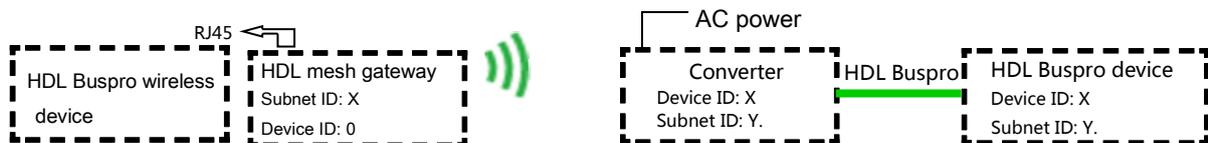
- This module must be used in conjunction with the HDL Intellicenter, or the HDL wireless mesh gateway
- A single HDL-MBUS/GW-RF.40 module can only be connected to one Buspro wired module.
- When the HDL-MBUS/GW-RF.40 is connected to a HDL Buspro device, the HDL-MBUS/GW-RF.40 address will automatically switch to that of the HDL Buspro device.
- The Buspro devices subnet ID must be the same as the HDL Intellicenter, or HDLmesh gateway
- As the HDL-MBUS/GW-RF.40 operates wirelessly, it must not be installed in any type of metal box or metal encasement.
- To upgrade the HDL-MBUS/GW-RF.40 it must first be disconnected from the wired Buspro device, if the HDL-MBUS/GW-RF.40 is not disconnected, then the module it is connected to will be upgraded.

Dimensions and Wiring



1. Wireless antenna
2. Programming button with LED indicator: when the module is operating correctly, the programming button indicator will flash green continually. When the programming button is pressed three times in quick succession, the LED will flash red, showing that the setup mode has been activated. (For set up to be successfully achieved, the HDL wireless gateway or intellicenter must also be in setup mode)
3. LED indicator
 - LED is flashing green: The module is connected to a HDL Buspro device, and is functioning correctly.
 - LED is constantly green: The module is not connect to a HDL Buspro device.
 - LED is alternately green and red: Two or more Buspro devices have been connected simultaneously, Only one Buspro device can be used per HDL-MBUS/GW-RF.40 module..
4. Power port: A LN cable must be used when marking a connection to the module, it is recommended that the cable should be 0.5~1.5mm², with the ends stripped to 5-7mm
5. HDL Buspro port: Provides both a data and power connection to the attached HDL Buspro module.

Connection



Note: the converter can only be connected one Buspro device (the range of X is 0 - 254, Y is 1 - 254)

Safety Precautions

- This module should only be installed by trained professionals.
- When the module is power on, avoid touching the module.
- Do not let the module come into contact with liquids.
- Ensure that the module is installed in an area with good ventilation.

Package contents

- HDL-MBUS/GW-RF.40*1/datasheet*1/ fast connection cable 350mm *1/double-sided foam tape *1