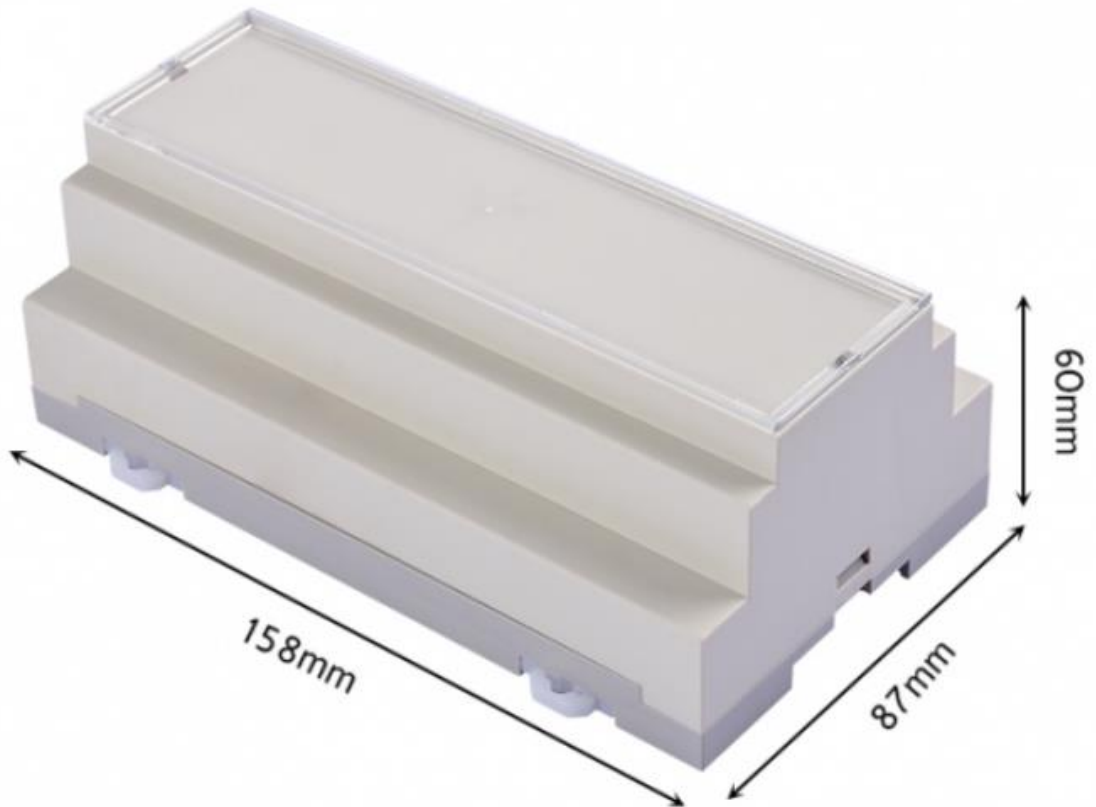


DIGITAL 24 CHANNEL WIRELESS TRANSMISSION MODULE



DIGITAL 24 CHANNEL WIRELESS **TRANSMISSION MODULE**

Features & Benefits:

- **High Range Operation (Upto 3KM)**
- **Can Operate Non Line Of Sight (NLOS)**
- **Encrypted Secured Program (Password Protected)**
- **Low Operating Voltage (5-30 VDC 0.5-1A Max.)**
- **Can Be Operated Using Solar Power/Small Battery**
- **User Friendly Program/Software Interfaced Easily Via Desktop/Laptop**
- **Operating Frequency Adaptable To Different Regions (Following LORA Protocol) - *Use Allowed Frequency According to Local Laws***
- **Can Be Interfaced To Programmable Logic Controller (PLC)**
- **MOD BUS Communication Capabilities With PLC (RS485)**
- **Low Cost Solution For BMU**
- **Specially Designed For Building Maintenance Unit(BMU) & Other Industrial Applications**
- **Communication Error Detection Via Common Fault Relays (As Per EN Standard)**
- **Can Be Branded As Per OEM**

DIGITAL 24 CHANNEL WIRELESS TRANSMISSION MODULE

Technical Data Sheet:

Parameters	Value	Unit	Additional Info.
DI/DO Model	24	CH	24 DI / 24 DO
Input Voltage	5 ~ 30	VDC	Range 0.5 ~ 1A (Max)
Working Temperature Range	-40 ~ 85	°C	Industrial grade
Working Humidity	10% ~ 90%	RH	Relative humidity (Non-Condensing)
Wireless Frequency	410 ~ 525 803 ~ 930	MHz	435.58MHz (Set As Default) 868.50MHz (Set As Default)
Wireless Power	20	dBm	/
Wireless Sensitivity	-138	dBm	/
Maximum Power	1	W	/
Communication Distance	3	Km	Conditions: Open Environment Antenna Gain 5dBi Antenna fitted 2 meter above floor level
Antenna Interface	SMA-K	/	External thread and inner hole, 50 Ω characteristic impedance
Time Storage Battery Model	CR2032	/	3.0V Max Only for DI Module
Serial Port Baud Rate	1200~115200	bps	Default: 9600
Serial Port Parity	None, Odd, Even, Space, Mark	/	Default: None
Enclosure Material	Industrial plastics	/	/
Mounting	DIN Rail/Wall	/	/

DIGITAL 24 CHANNEL WIRELESS **TRANSMISSION MODULE**

What Comes Along:

- **Features Sheet**
- **Technical Data Sheet**
- **Precautionary Notes**
- **Schematic Diagram**
- **Programming Software**
- **Product Demo**
- **Re-Chargeable Battery (Optional)**
- **Charger For Battery (Optional)**
- **On-Site Installation (Optional)**

DIGITAL 24 CHANNEL WIRELESS **TRANSMISSION MODULE**

Precautions:

- **Should always be operated in permissible voltage range (5~30VDC 0.5~1A)**
- **Always be careful about polarity of power supply & communication wires (RS485) – Can cause permanent damage to module**
- **Always use surge/backward voltage protection for auxiliary relays to prevent damage to DO Module output**
- **Use only RS485/USB converter for programming purposes.**
- **Protect from direct sunlight/place in enclosure**
- **Protect from direct contact with water**
- **Use correct tools while working on device**