

Wireless Relays



Smart Agriculture, Smart Building, Smart City, Smart Energy, Smart Facility, Smart Factory, Smart Farm, Smart Retail, Smart Utilities

SKU: WS433-RL

4-CHANNEL SPST RELAY OUTPUT WIRELESS MODULE WS433-RL-14



4 X N.O CONTACT
1.0A@24VDC
0.3A@125VAC



WS433-RL-H1.PNG



Wireless Relay output module, select SPDT or SPST contacts, select 2 or 4 channels, to control your motor, pump, valve, door, alarm, lighting, machines... It is configured the operation parameters like data sending interval, health check cycle... remotely from Globiots platform or via ModbusRTU software.

Applications

Automatic Ventilation System, Smart Irrigation, Safety Monitoring

Notes For Applications

- Load Requirements: Match the relay's voltage and current ratings to the load.
- Coil Specs: Ensure the coil voltage and power match your control circuit.
- Contact Configuration: Select the appropriate contact form (SPST, SPDT, etc.) and rating.
- Environmental Conditions: Verify the relay can operate within your temperature and humidity ranges.
- Additional Features: Look for necessary features like electrical isolation and suitable mounting style.

- ✓ **Reliable & Secured Wireless Connection**
Sub-Ghz technology from Texas Instruments allows reliable wireless connection and secured data by AES-128
- ✓ **Long range Transmission**
Narrow Band techniques & Sub-Ghz technology allow long distance transmission at lowest energy consumption
- ✓ **Multiple types of contact**
Select SPST or SPDT contacts, 2 or 4 channels

2-CHANNEL SPDT RELAY OUTPUT WIRELESS MODULE WS433-RL-12



2 X CO CONTACTS
5.0A@250VAC



WS433-RL-H2.PNG

DAVITEQ TECHNOLOGIES INC

Ho Chi Minh City, VN | Koblenz, DE | Melbourne, AU | Zurich, CH

+84.28.6268.2523 / 6268.2524

info@daviteq.com

www.iot.daviteq.com

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Specification

Outputs	02 x SPDT relay or 04 x SPST relay
SPST contacts	0.3A@125VAC/1.0A@24VDC
SPDT contacts	5.0A@250VAC
Functions	ON/OFF
Electrical connection	cable 0.5m length with PG9 cable gland
Optional accessories	304SS Adapter PG9/male 1/2"NPT or PG13.5 or M20 to allow direct mounting on Process instruments or electrical panel
Data speed	Up to 50kbps
Transmission distance, LOS	500m
Antenna	Internal Antenna, 3 dBi
Power	7-60VDC, max 200mA
Frequency Band	ISM 433MHz, Sub-GHz technology from Texas Instrument, USA
Receiving Sensitivity	-110dBm at 50kbps
International Compliance	ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan)
Security Standard	AES-128
Operating temperature of PCB	-40~60°C (with AA L91 Energizer®)
Housing	Poly-carbonate, IP67
Installation method	L-type bracket SUS304 , by M4 screws or double-sided 3M tape (included)
Product dimensions	125x30x30mm
Net weight (without battery)	< 100g
Box dimension	190x50x50mm
Gross weight	140g

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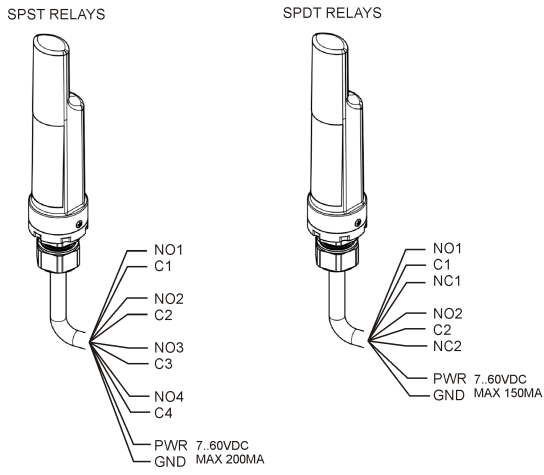
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WIRING DIAGRAM FOR WS433-RL



WS433-RL-H3.PNG

TYPICAL APPLICATIONS OF WS433-RL



WS433-RL-H4.PNG

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Ordering Information

ITEM CODE	DESCRIPTIONS
WS433-RL-14	Wireless relay module with 04 x SPST relay, contact rating 0.5A@125VAC/1.0A@30VDC, IP67, power supply 7-60VDC, cable 05m length with PG9 cable gland
WS433-RL-12	Wireless relay module with 02 x SPDT relay, contact rating 5.0A@250VAC, IP67, power supply 7-60VDC, cable 05m length with PG9 cable gland

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