

Wireless power supply by
B&PLUS®

Remote System

24V 1A wireless power supply

12 signals transmission 4input +4 output transmission

Compact shape

Fits perfect with compact size

You can choose from many options

Wireless Power Supply
24V1A works perfect



Wireless power supply 24V1A

12 signals transmission

Transmitter: RS12TA-422-PU-01

Output sensor: RS12EA-422-PU-02

Wireless (power supply + signal) coupler
Just right!
is now available!!

Wireless power supply 24 V 1 A

4 input + 4 output signals transmission

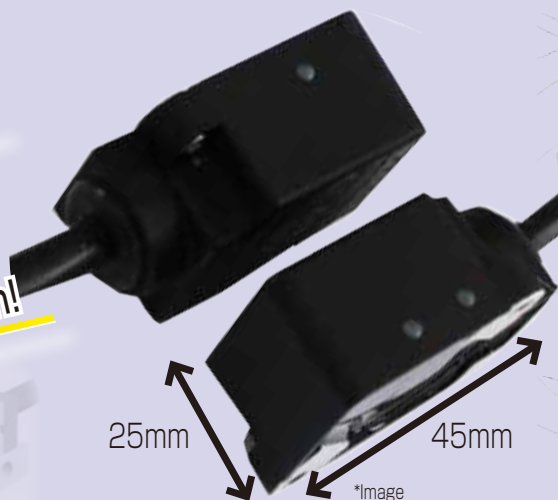
Transmitter: RC04T-422-PU-01

Output sensor: RC04E-422-PU-02

Many options on compact series

4 input + 4 output signals

transmission type is coming soon!



Great points!

● Compared to the conventional remote sensor

1/4 smaller and compact size

Because it is compact and doesn't take up installation space, it can be installed even in a small space. Very convenient and easy to use.



● Compared to the conventional remote sensor

The size remains compact 45 x 45 x 25 mm as well as the conventional product.

Huge increase in supplying power!

Because of the high power, choices for sensors has also expanded.



● Compared to the conventional 4+4 transmission coupler

The number of signal points that can be transmitted with conventional products has not changed from 4 input + 4 output, **and it became 1/2 compact size as it is compact but big increase in supplying power!**

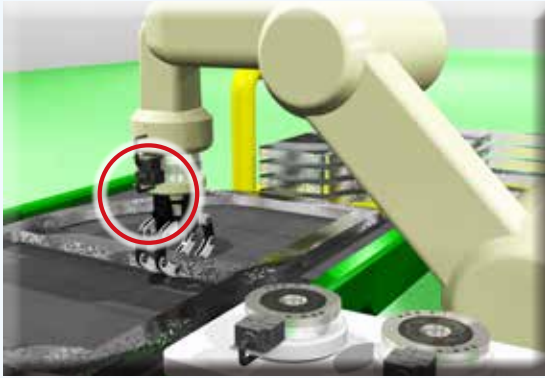


Recommended points!

- ✓ Power supply has greatly improved. It succeeded in miniaturize.
- ✓ Built-in amplifier and wiring only with terminal block. No need for difficult setting.
- ✓ It is small enough to be attached to ATC.
- ✓ No. 1 product with our achievements.
- ✓ IP 67 with waterproof / dust-proof and It is safe even in circumstances of water and oil..
- ✓ There are many achievements of rotary body (replacement of slip ring).
- ✓ No contact point makes it easy for maintenance.

- ✓ There is no problem even if there is glass / plastic between transmission surfaces.
- ✓ Wireless power supply has a history of over 35 years.
- ✓ Pleased with the improvement.
- ✓ Wireless power supply is the hot topic right now.
- ✓ It will be used in your company without you realizing.
- ✓ Used unexpectedly.
- ✓ Made in Japan

It is the same shape as the conventional 12 signals type, and just right compact size.



**Easy
to replace!**

**Design change of the mounting
part is unnecessary!**

NEW!
Just right!

Just a same size with conventional 12 signals transmission compact (45 x 45 x 25), so it is easy to replace! * It is unnecessary to change the design of the mounting part. Compact size and easy to install and the power to transmit has increased! Many variations to choose from for the application.

* Both the transmitter and the output sensor must be replaced.

Many variations! Power up to **24V1A** with the same shape as conventional 12 points compact!

Conventional product
Compact 12 signals transmission

DC 3-wire type
RS12T-422-PU-01
RS12E-422-PU-02
12 signals transmission
+
12V230mA power supply

Direct current 2 and 3 wire common specification
RS12T-422-PU-01
RS12E-422-PU-02
12 signal transmission
+
12V150mA power supply



**More and more
new products!**

**Same size
with more power!**



**Many choices
High power
Compact**

Now on sale!



RS12TA-422-PU-01
RS12EA-422-PU-02

12 signals transmission
+
24V1A power supply

Coming soon



RC04T-422-PU-01
RC04E-422-PU-02

Signal transmission 4 input + 4 output
+
24V1A power supply

Now on sale!



RCD55T-422-CP0.3
RCD55E-422-CP0.3

IO-Link 2ch transmission
+
24V1A power supply

Now on sale!

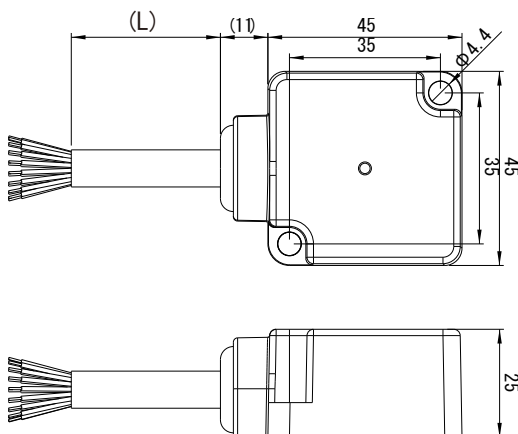


RVT-422-201-PU-01
RVE-422-2-PU-02

24V1A power supply
(power supply only)

12 signal transmission type DC 3 wire specification + 24V1A power supply

Now on sale!



L-cable length
Notation at the end of model
...PU-01 ⇒ 1m
max. 5 m (transmission unit and output unit common)

Type code	Transmitter	RS12TA-422-PU-01
	Output sensor	RS12EA-422N(P)-PU-02
Drive voltage / current (transmitter)		24V ± 1.5V DC / ≤ 1A
Operating voltage/ current consumption (output sensor)		24V ± 5% / ≤ 1.4A
Number of signals		12 + 1 (In zone)
Load current		≤ 50 mA (per output)
Frequency of operation		600Hz
Rating transmission distance		0...3mm
Center offset		Transmission distance 0 ... 2 mm ± 4 mm
		Transmission distance 2 ... 3 mm ± 1.5 mm
Operating temperature		0...+50°C
Protection class		IP67
Protection circuit		Reverse connection protection, over temperature protection and short circuit protection, Output surge absorption protection Metal facing protection of head *
Cable		PUR, φ 8.6, 2x0.5 mm ² +13x0.18 mm ²
Material	case	Polyurethane (surface treatment: two-pack acrylic urethane paint)
	heat sink	Aluminum
Weight	Transmitter	Body 110g + Cable 105g x 1m
	Output sensor	Body 110g + Cable 105g x 2m

* Metal protection is a function to prevent metal heat generation when metal opposes. Since it is not guaranteed to operate with all metals, please do not confront the metal against the communication surface.

You can find the most suitable remote system!

Be able to supply wireless power. No need for signal transmission and want to send only power.

NO

YES

In addition to the power supply + input signal, an output signal is also needed.

NO

YES

Remote Sensor system

Wirelessly feeds power to various sensors such as proximity switches and photoelectric sensors and transmits detection signals. We have a large number of lineups including linear shapes that transmit while moving linearly and ring shapes for rotating shafts.

Switch signal transmission

Analog signal transmission

Switch signal transmission

DC 3-wire type 1,4,8 signals.
DC 2-wire type 1,2,4,8,15,16 signals



Analog signal transmission specification

Thermocouple type
Resistance thermometer type
· Load cell specification
· Analog sensor specifications



· Temperature sensor specification
(Thermocouple, resistance temperature detector and thermistor)



Remote Coupler system

It is a bidirectional type that wirelessly transmits power to various sensors and signal transmission, and can transmit driving power and control signals to solenoid valves, power moller wirelessly. Field bus signal and IO-Link signal transmission type are also available

Switch signal transmission

Data Signal transmission

Switch signal transmission

4+4 Switch Signal 24V300mA
24V1A (Coming soon)
8+8 signals transmission 24V2A
64+32 signals transmission 24V2A
connect to Parallel connection, DeviceNet connection, EtherNet / IP connection or CC-Link



Data Signal transmission specification

24V2A



24V1A

NEW! Just right!
24V1A IO-Link 2ch transmission



Remote Power supply system

Type that wirelessly charges to batteries such as robots and AGVs, and a type that wirelessly transmits the driving power of power moller and motor.

Need to power supply

Need to charge

Wireless Power Supply

· 24VDC/1A
· 24VDC/2A
· 12VDC/2.5A
· 24VDC/5A

NEW! Just right!

24VDC/1A Compact shape



Wireless Power Charge

(Lead battery only)

· 30VDC/7A 24V
· 29VDC/4.3A 24V
· 14.8VDC/8.5A 12V
· 14.4VDC/2A 12V



Various lineups from B&plus wireless power supply products. Please visit the following URL

A wide range of lineups and customized for user's request

Technical know-how from FA over 30 years!

Wireless Power Supply by
B & PLUS K.K.

Mail : b-plus-usa@b-plus-kk.com

Web : <http://www.b-plus-kk.com>

* Info may change the mention contents such as specifications without a notice.

Thank you for understanding

* Please refer to instruction manual or the user's guide. It can be download by HP.

Brackets for compact shape and cylindrical M30 are also available!



Mounting screws are attached and easy installation



[Model] B-PLUS-BLOP-01
Rustproof SUS specification

[Actual installation drawing]