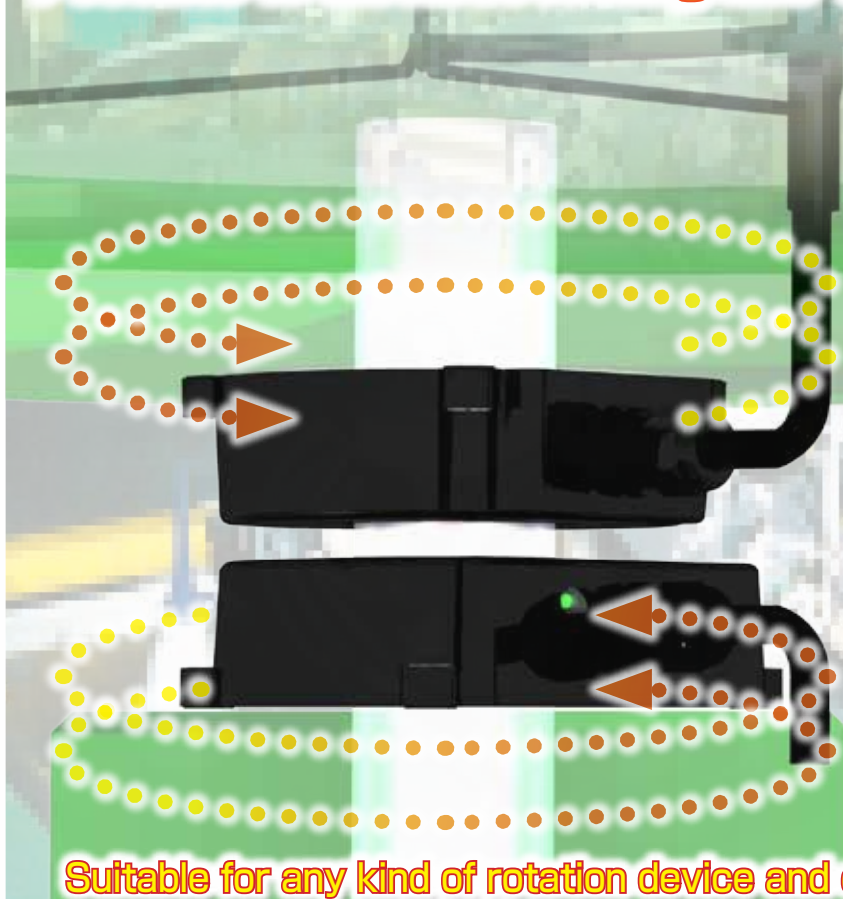


**Possible to install on to the axis Center Hall structure**

**Possible to wireless feeling and transmits while turning**



Correspond to DC 2 wire sensor  
proximity sensor, contacts switch

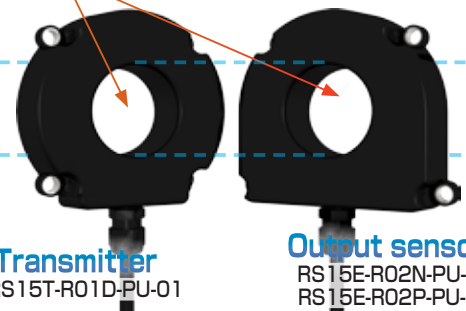
**Wireless ⇒ long-life**

Because of the Non-contact, no abrasion of the point of contact makes it longer life.

**Possible to install on to the axis**

Center Hall shape is possible to attach to existing device.

The Center Hall structure that an axle goes along



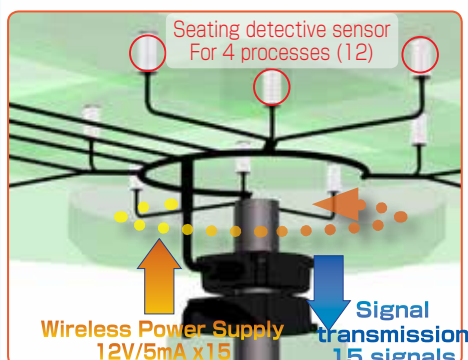
**Suitable for any kind of rotation device and equipment such as Index table**

## Seating detection of the index table

Made it possible to power supply and signal transmission from sensor using the seating detective sensors.

Index table that is difficult for the cable railing will be solved by the remote system.

As long as install in a facing state by the axis, while rotating, it is able to transmit wireless feeding to a sensor and seating signal to PLC in a real time

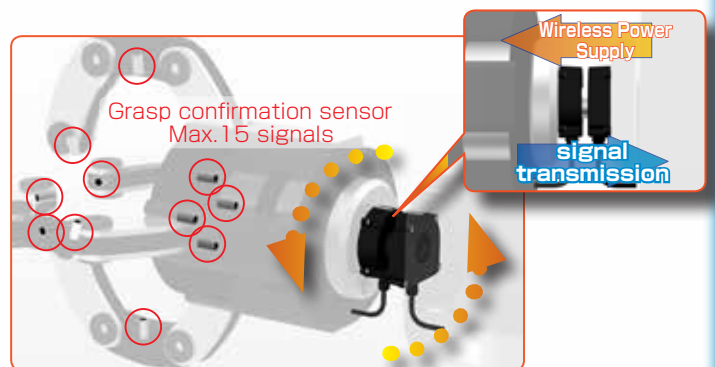


### Examples

An index table that rotates 90 degrees, has 4 processes.

1 process has 3 seating detection sensor and wireless Supply Power and transmits signal.

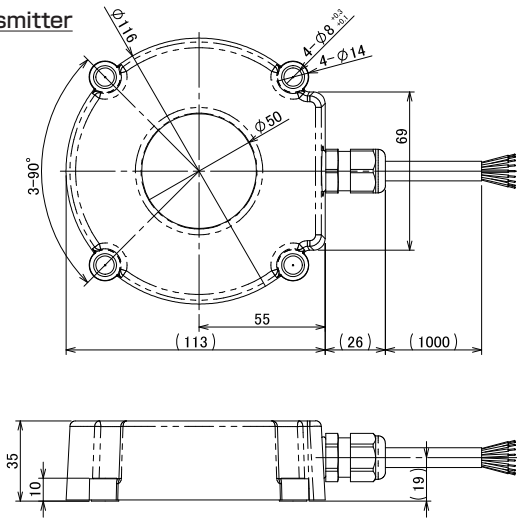
## Grasp confirmation of the robot hand



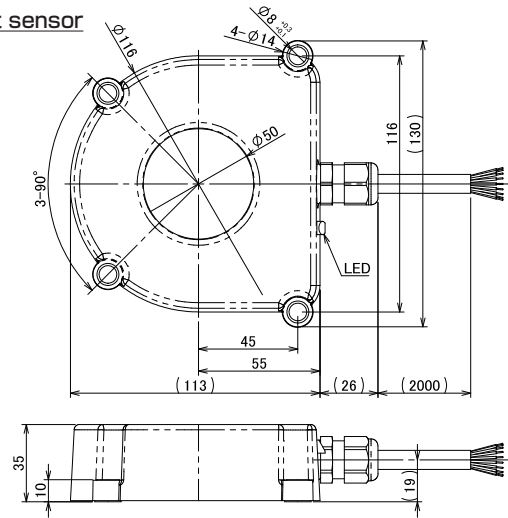
At the time of exchange and the work of the robot hand, a remote system plays an active part to detection sensor for grasp confirmation of the work. While wireless feeding to a detection sensor, a disconnection trouble dissolves in comparison with a cable. And able to send a grasp detection signal to the control side. Suitable for the substitution of the slip ring

## DC 2 wire Detector type

### Transmitter



### Output sensor



Distance  
0...5mm

| Transmitter                  |  |
|------------------------------|--|
| Type code                    | DC 2-wire RS15T-R01D-PU-01   |
| Drive voltage                | 12V ± 1.5V DC  |
| Drive current                | 5 mA per sensor  |
| No. of Input signals         | 15 signals   |
| Rating transmission distance | metal shaft : without metal shaft<br>0...5mm / gaps ± 5mm : 0...6.5mm / gaps ± 6.5mm |
| Operating temperature        | 0...+50°C  |
| Protection structure         | IP67   |
| Cable                        | PUR / φ 8.6 , 2x0.5mm <sup>2</sup> + 16+x0.18mm <sup>2</sup>                         |
| Remark                       | Not CE   |

| Output sensor         |  |
|-----------------------|--|
| Type code             | NPN RS15E-R02N-PU-02<br>PNP RS15E-R02P-PU-02                 |
| Power supply          | 24V DC ± -20% (incl. ripple)                                 |
| Current consumption   | ≤ 500mA  |
| No. of output signal  | 15 signals   |
| Load current          | max.50mA (1 signal.)   |
| Frequency             | 20Hz   |
| LED                   | In zone indication (green)                                   |
| Operating temperature | 0...+50°C  |
| Protection structure  | IP67   |
| Cable                 | PUR / φ 8.6 , 2x0.5mm <sup>2</sup> + 16+x0.18mm <sup>2</sup> |
| Remark                | Not CE   |

### Possible use of DC2 wire

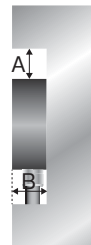
|                           |                |
|---------------------------|----------------|
| Supply voltage            | 12V DC         |
| Total current consumption | less than 1 mA |
| Residual voltage          | less than 3.5V |
| Load current              | less than 5mA  |

Please sure to use applicable detector switch according to the specification on left.

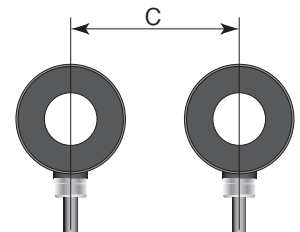
### installation condition

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted sensors, provide the minimum free zone as described below.

#### Surround Metal



#### Parallel Setting

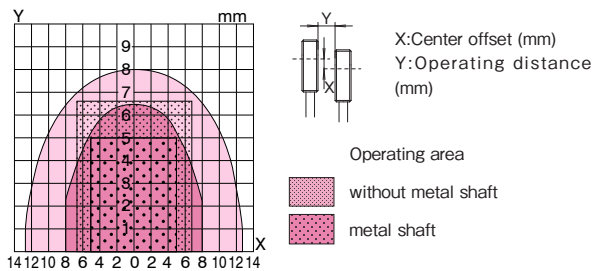


| Type code     | A   | B  | C   |
|---------------|-----|----|-----|
| RS15T-R01D-PU |     |    |     |
| RS15E-R02N-PU | 100 | 35 | 300 |
| RS15E-R02P-PU |     |    |     |

(mm)

### Typical Transmitting Diagram (Supply voltage at 24V /non-flush mount)

RS15T-R01D-PU / RS15E-R02N-PU, RS15E-R02P-PU



Wireless Power Supply by  
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\* Contents is subject to change without notice.

BN1505Ce

2016.02