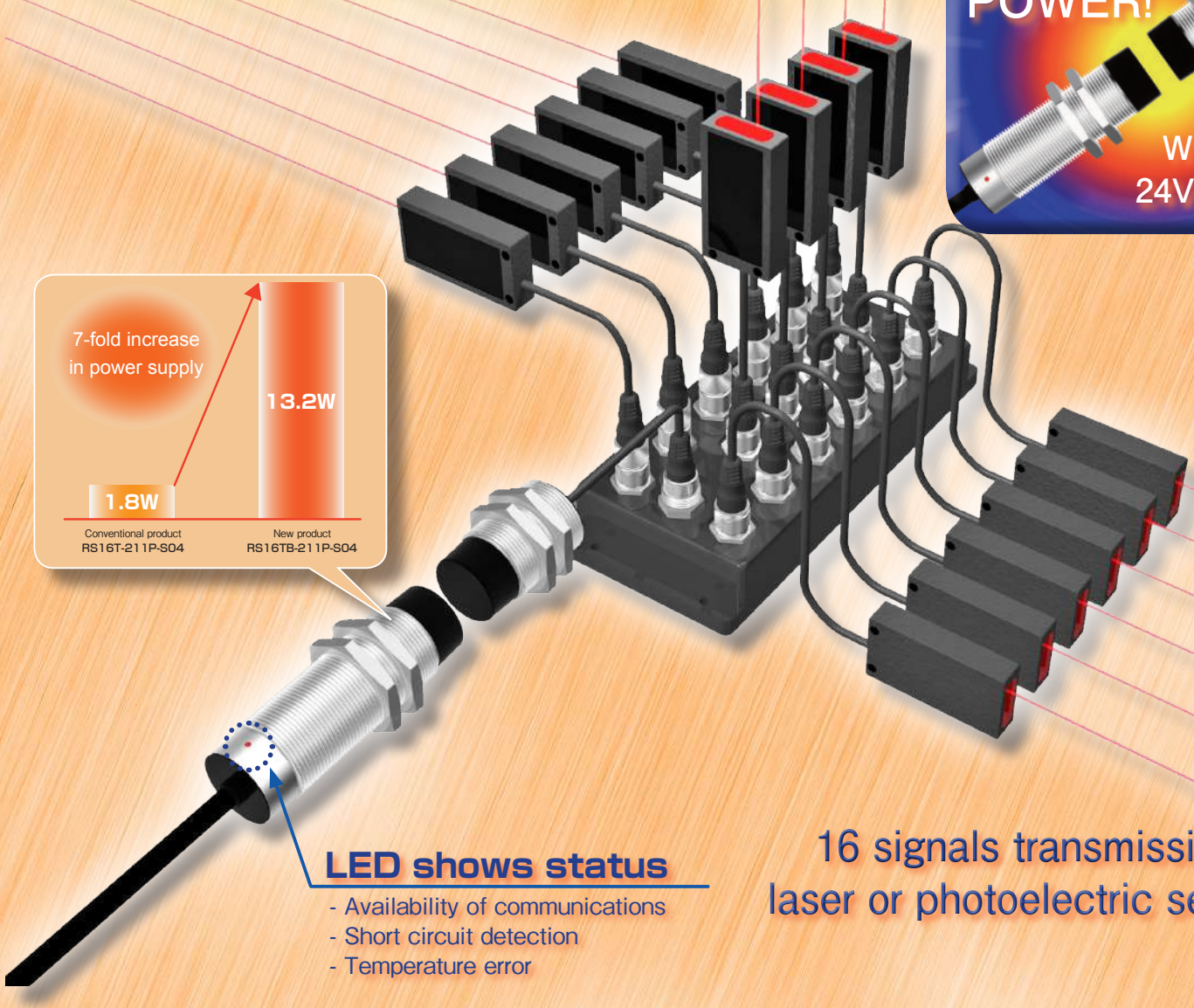
B&PLUS

Remote system
Terminal Unit type

# High-Power Terminal Unit is Now Available!

## Wireless power supply 13W and signal transmission simultaneously

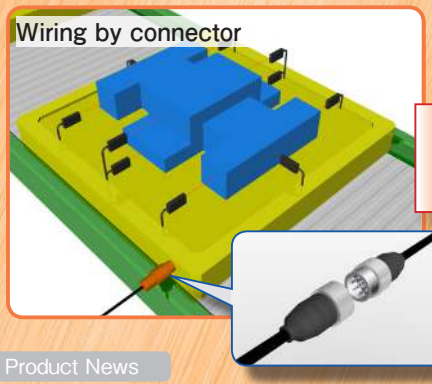


**LED shows status**

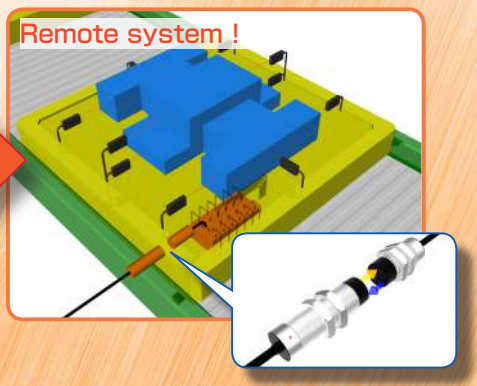
- Availability of communications
- Short circuit detection
- Temperature error

16 signals transmission of laser or photoelectric sensor !

## For Factory Automation and Improvement!




solution




Problems that occur with the use of connectors,

- Limiting the range of motion
- Maintenance costs
- Waterproof
- Man-hours of connecting and disconnecting

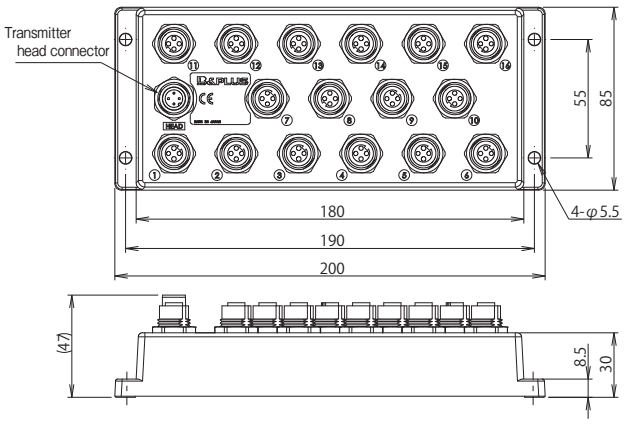
**Remote system solves these all!**

Product News

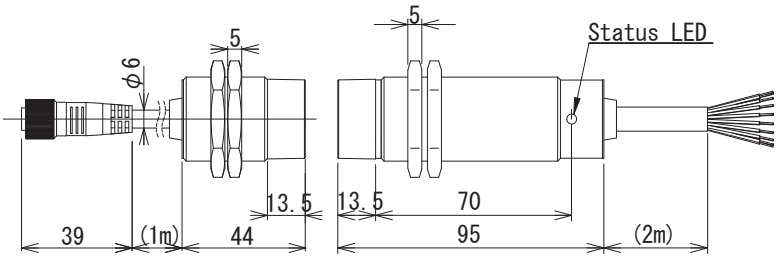
## Terminal unit type

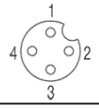
Switch signal | DC 3-wire | Size M30 | Distance 0...5mm

### Transmitter




### Output sensor



| | Remote Terminal |
|---|---|
| Type Code | RS16TB-211P-S04 |
| Applicable sensor | DC 3-wire (PNP / 1 : + , 3 : - , 4 : SI ) |
| Drive voltage | 24V ± 1.5V DC |
| Drive current | 300mA / 550mA |
| Connection Sensor | Connector M12 (Female) x 16 |
| Connection Transmitting head | Connector M12 (Male) x 1 |
| Material Housing | PPS |
| Operating temperature | 0...+50℃ |
| Protection class | IP67 |
| Pin assigned of connector for sensors |  1 : + 2 : 3 : - 4 : SI |
| Remarks | The unused connectors should be protected by a protection cap. (option:Type Code PROT-M12) |

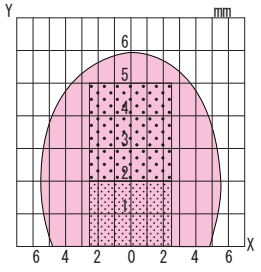
| Transmitting head | |
|---|---|
| Type code | RSH16TB-030-PU-CP1.0 |
| Remote terminal | RS16TB-211P-S04 |
| Operating distance | 0...5mm* |
| Center offset | ± 2.5mm |
| Operating temperature | 0...+50℃ |
| Protection class | IP67 |
| Cable | M12 connector Cable |
| Material Housing | Nickel plated brass |
| Material Active face | Nylon 12 |

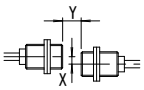
*The drive current differs according to the operating distance . For details, refer to [Typical Transmitting Diagram].

| Output sensor | |
|---|---|
| Type code PNP | RSH16EB-030P-PU-02 |
| Operational voltage | 24V DC ± 5% (incl. ripple) |
| Current consumption | ≦ 1A |
| No. of output signal | 16 +1 (InZone) |
| Load current | max.50mA per output |
| Frequency of operation | 20Hz |
| LED | InZone, OutZone, Over heat, Short |
| Operating temperature | 0...+50℃ |
| Protection class | IP67 |
| Cable | PUR/ φ 8.6、2x21AWG + 17x25AWG |
| Material Housing | Nickel plated brass |
| Material Active face | Nylon 12 |

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

RSH16TB-030-PU-CP_ _ / RSH16EB-030P-PU-_ _



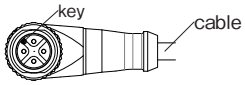

X : Center offset (mm)
Y : Operating distance (mm)

Rated value: 24V DC / 550mA
Operating distance : 2...5mm

Rated value: 24V DC / 300mA
Operating distance : 0...5mm

## Notes

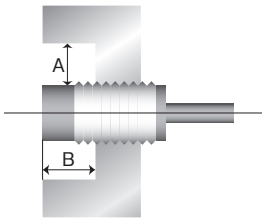
- It is recommended to install RSH16_B in metal in order to reduce the influence of self-heating.
- The unused connectors should be protected by a protection cap.
- When using an angle connector, please use a connector of which key is positioned same as the following figure.



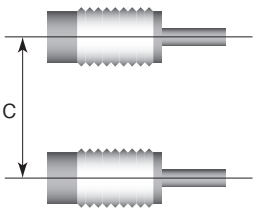

## Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Transmitters or Output sensors, keep the minimum distances as described below.

Surrounding metal




Parallel installation




| Type Code | A(mm) | B(mm) | C(mm) |
|---|---|---|---|
| RSH16TB-030-PU-CP_ _ | 40 | 32 | 160 |
| RSH16EB-030P-PU-_ _ | | | |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*Specification is subject to change without notice.

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