

# High-Power Terminal Unit is Now Available!

Wireless power supply 13W and signal transmission simultaneously

**HIGH  
POWER!**

Wirelessly  
24V/550mA

7-fold increase  
in power supply

13.2W

1.8W

Conventional product  
RS16T-211P-S04

New product  
RS16TB-211P-S04

## LED shows status

- Availability of communications
- Short circuit detection
- Temperature error

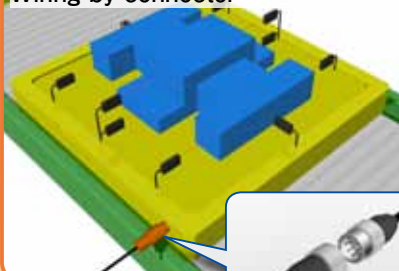
16 signals transmission of  
laser or photoelectric sensor !



**For Factory Automation and Improvement!**

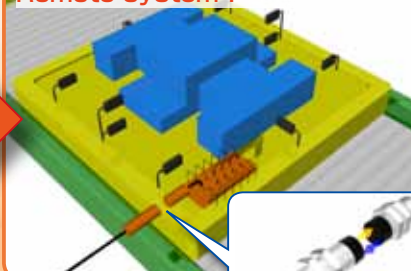


Wiring by connector



**solution**

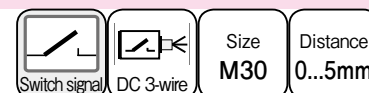
Remote system !



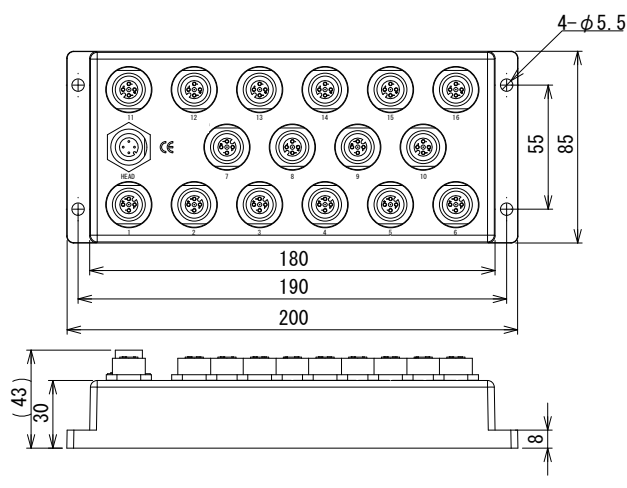
Problems that occur with the  
use of connectors,

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

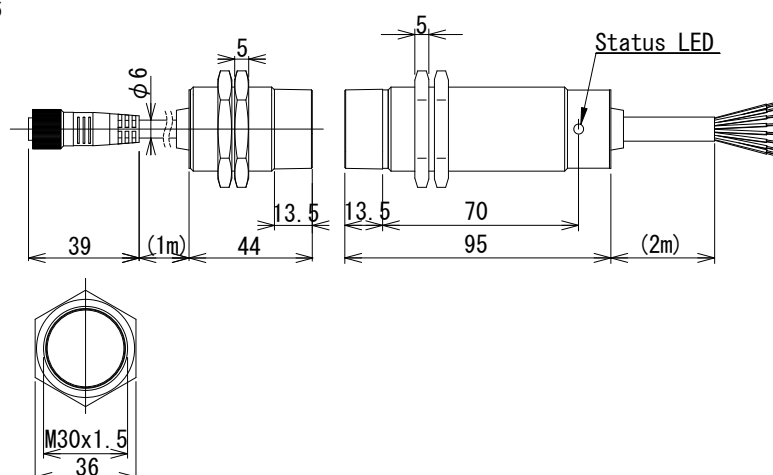
**Remote system solves  
these all!**

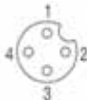


Transmitter



Output sensor

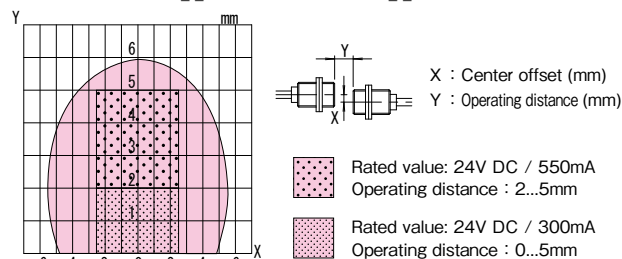


Remote Terminal		Transmitting head	
Type Code	RS16TB-211P-S04	Type code	RSH16TB-030-PU-CP1.0
Applicable sensor	DC 3-wire (PNP / 1 : + , 3 : - , 4 : SI )	Remote terminal	RS16TB-211P-S04
Drive voltage	24V ± 1.5V DC	Operating distance	0...5mm*
Drive current	300mA / 550mA	Center offset	± 2.5mm
Connection Sensor	Connector M12 (Female) x 16	Operating temperature	0...+50°C
Transmitting head	Connector M12 (Male) x 1	Protection class	IP67
Material Housing	PPS	Cable	M12 connector Cable
Operating temperature	0...+50°C	Material Housing	Nickel plated brass
Protection class	IP67	Active face	Nylon 12
Pin assigned of connector for sensors		*The drive current differs according to the operating distance . For details, refer to [Typical Transmitting Diagram].	
Remarks	The unused connectors should be protected by a protection cap. (option:Type Code XS2Z-12)		

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°C
Protection class	IP67
Cable	PUR/ φ 8.6, 2x21AWG + 17x25AWG
Material Housing	Nickel plated brass
Active face	Nylon 12

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

RSH16TB-030-PU-CP\_ / RSH16EB-030P-PU-\_\_



## Notes

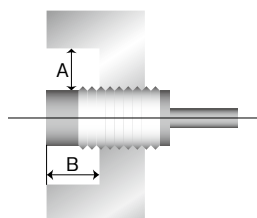
- It is recommended to install RSH16\_B in metal in order to reduce the influence of self-heating.
- The unused connectors should be protected by a protection cap.
- When using an angle connector, please use a connector of which key is positioned same as the following figure.



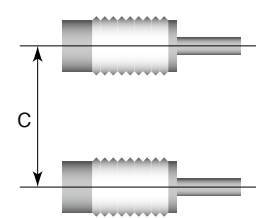
## Installation notes

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.

BN1203Ae 2012.08