

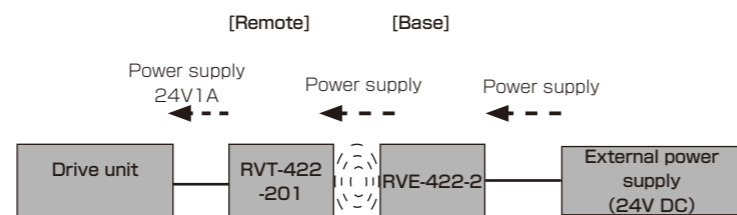
Remote power supply system
24 V power supply specification

Output sensor : **RVE-422-2-PU-__**

Transmitter : **RVT-422-201-PU-__**

System configuration

■ Power supply only type



[Function of each component]

Base : It will supply power to the drive unit.

Remote : It supplies a movement power supply necessary for the remote part.



Safety Considerations

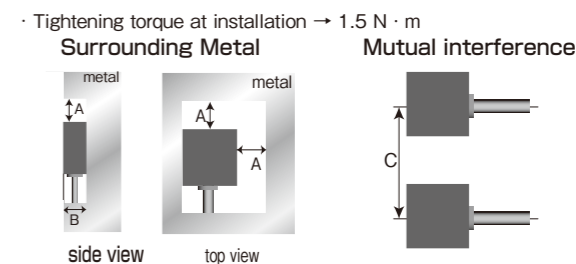
Please read carefully before using and full attention to Safety Considerations. (See the attached T318501)

Installation notes

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

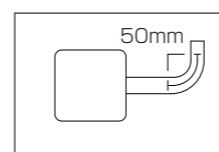
The tightening torque when the fixing ⇒ 1.5N·m

Type code	A*	B	C
RVT-422-201-PU-__	30	25	250
RVE-422-2-PU-__			(mm)



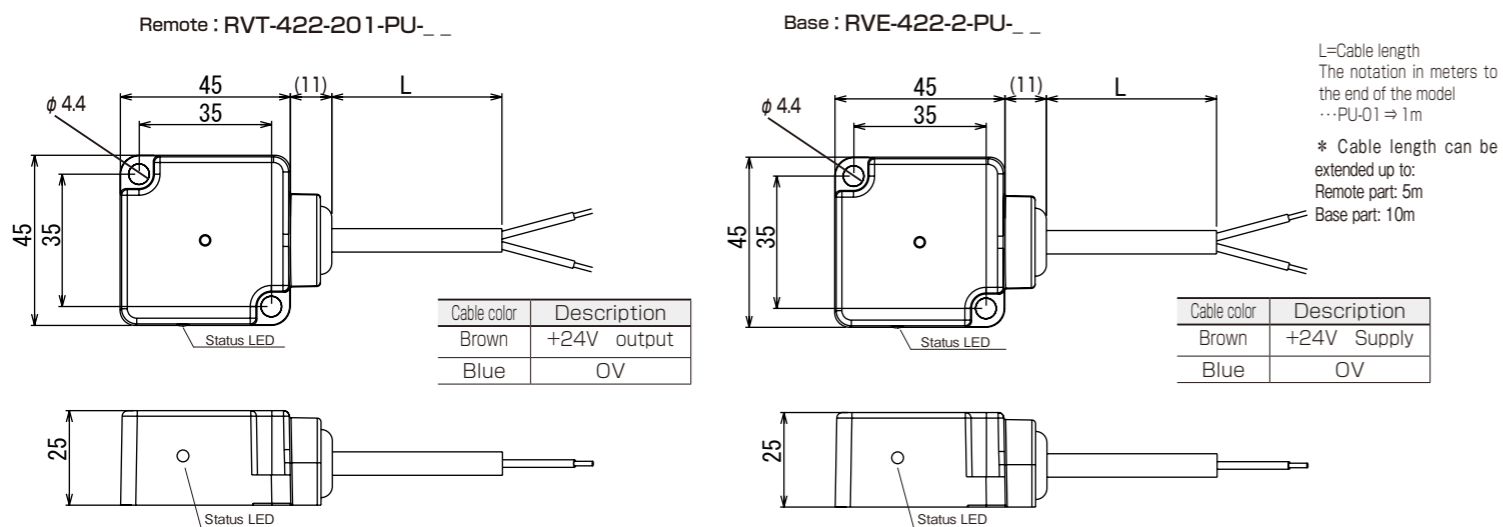
Bending radius of Cable

The minimum bending radius for the sensors are 50mm.



* Never pull the cable strongly in installing

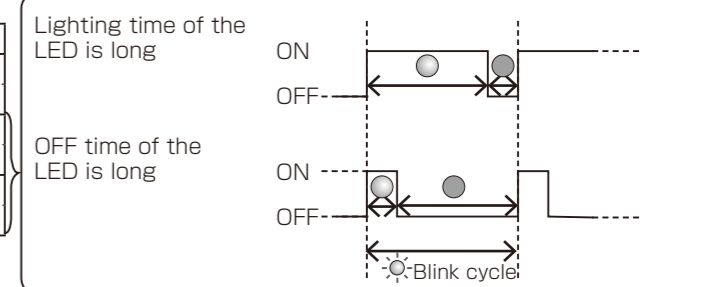
Dimension



LED indication

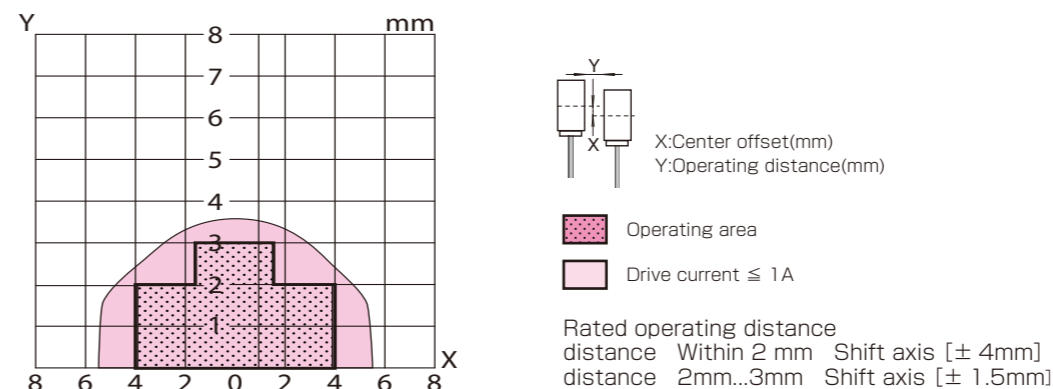
■ Status LED (Green)

LED	Blinking	Pattern	Meaning
ON	●	-	The power supply is supplied.
OFF	○	-	The power supply is not supplied.
Blink	○	Slow (1.5 sec)	Off time of the LED is long Lighting time of the LED is long Anomalous temperature Oscillation circuit overcurrent.
Blink	○	Mid.Speed (0.6 sec)	Off time of the LED is long Lighting time of the LED is long Supply voltage is high. Supply voltage is low.



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

RVT-422-201-PU-__ / RVE-422-2-PU-__



Specification of the System

Type code	RVT-422-201-PU-__	Type code	RVE-422-2-PU-__
Drive voltage	24V ± 1.5V	Supply voltage	24V DC ± 5% ((including ripple))
Total drive current	≤ 1A	Current consumption	Max 1.4 A (with 1A drive) Max 0.1 A (when not facing)
Operating distance	0...3mm	LED indication	Status: Green
Center offset	Transmission distance is within 2 mm ± 4 mm Transmission distance 2 mm ... 3 mm ± 1.5mm	Circuit protection	reverse connection protection, overtemperature protection, overcurrent protection, overheating protection when facing metal * 2
Operating temperature	0...+50°C	Operating temperature	0...+50°C
LED indication	Status: Green	Protection class	IP67
Start-up time	≤ 200ms	Cable	2 × 0.75mm ² φ 6.2mm
Protection class	IP67	Material	Case : Polyurethane (surface treatment: two-pack acrylic urethane) Heat sink : Aluminum
Cable	2 × 0.75mm ² φ 6.2mm	weight	Main body 90 g + cable 60 g/m
Material	Polyurethane (surface treatment: two-pack acrylic urethane) Heat sink : Aluminum		
weight	Main body 90 g + cable 60 g/m		

* 1 Metal protection is not guaranteed to work with all metals with metal heat prevention function when metal opposed, so do not deliberately force the metal against the communication surface