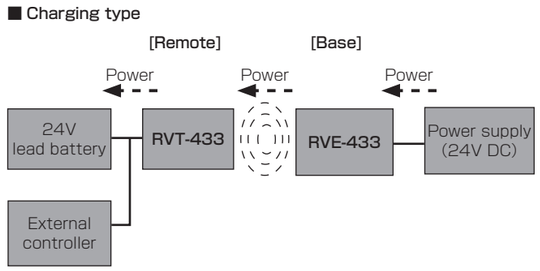
Remote power supply system 120W power charging　24V type
Base　: **RVE-433-2-PU_ _** Remote : **RVT-433-404-PU-_ _(Charging : lead battery)**

■ Charging type

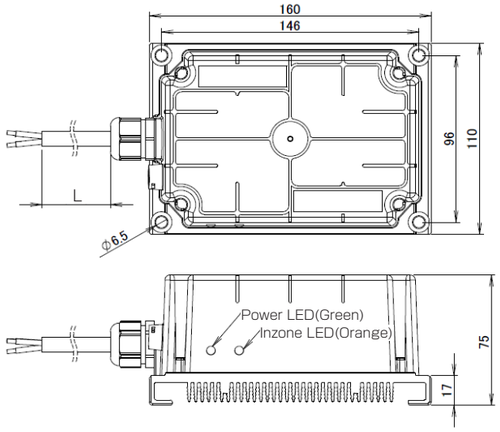


【Function of each component】
Remote part : It will supply power to the lead batteries.
Base part : It supplies a movement power supply necessary for the remote part.

⚠ Safety Considerations

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

Dimention and specification of RVE-433-2-PU-_ _

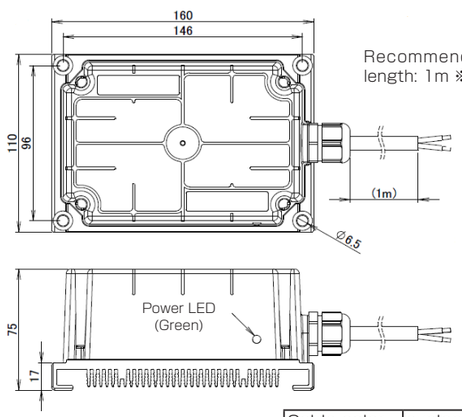


Type code	RVE-433-2-PU-_ _
Supply voltage	24V DC ± 10%(incl.ripple)
Current consumption	≦ 8A
LED	Green:Power (Lighting by energization) Orange:Inzone
Operating temperature	0...+50℃
Protection class	IP65
Protection function	Overcurrent protection (fuse)
Cable	PUR ϕ 8.6 / 3x2.5mm^2
Material	Case : PPS / Heat sink : Aluminum
Weight	1.6kg + 0.15kg/m(cable)
Accessories	Two ferrite clamps

L=Cable length
The notation in meters to the end of the model
･･･PU-02 ⇒ 2m

Cable color	explanation
Brown	24V
Blue	GND

Dimention and specification of RVT-433-404-PU-_ _



Type code	RVT-433-404-PU-_ _
Operating distance	0...10mm
Center off-set	± 4mm
Drive voltage	≦ 29.0V　CV Control the upper limit voltage
Drive current	≦ 4.3A CV Control the upper limit voltage
LED	Green Power (Among the output)
Protection circuit	Battery unconnected protection /reverse connection protection
Operating temperature	0...+50℃
Protection class	IP65
Cable	PUR ϕ 8.6 / 3x2.5mm^2
Material	Case : PPS / Heat sink : Aluminum
Weight	1.6kg + 0.15kg/m(cable)
Accessories	Two ferrite clamps
Specification of battery	
Battery type	Lead battery
battery voltage	24V DC
Charging current	max.4A

※ Please consult our sales department about cable length exceeding 1 m.

Cable color	explanation
Brown	28V
Blue	GND

■ Protection function

Charging voltage error	Battery voltage outside of adaptation have been connected, the voltage of the battery is down to abnormal. Please connect the correct battery.
Battery reverse connection or non-connection error	Battery terminal is turned in reverse, cable is disconnected. Please check terminal, the cable.

･ Overcurrent protection, Overvoltage protection and Battery overheating protection are not built in. Please design so that these loads are not applied.

･ This product is recommended to use in Japan.It conforms to CE marking.This product, because it is Japan specification, it can not be used outside of Japan. When used outside of Japan, I guess we assume any liability You.

Installation note

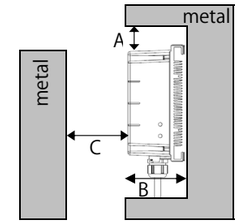
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted sensors, keep the minimum free zone as described below.

Tightening torque ⇒ 3.5N･m

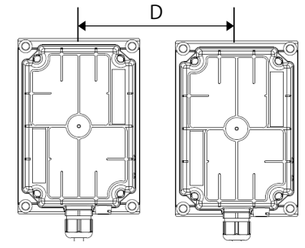
Type code	A(arround)	B(depth)	C(distance)	D (pitch)
RVE-433-2-PU-_ _	100	75	45	300
RVT-433-404-PU-_ _			---	

(mm)

■ Surrounding metal

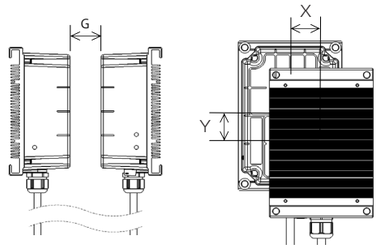


■ Parallel installation



Please set axis misalignment between RVE and RVT within X and Y respectively within 4 mm

Type code	G	X	Y
RVE-433-2-PU-_ _	≦ 10	± 4	± 4
RVT-433-404-PU-_ _			

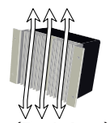


【Attention about the installation】

(1) When facing a remote part and a base part a bit away from the transmitting area, the built-in relay in RVT-433 might repeatedly open and close. When both parts remain facing condition, we recommend to use within rated transmitting area to prevent to shorten their life.

(2) Since this product is a natural air cooling type, please consider natural convection not keep the heat.

(3) Because this product is to prevent malfunction or failure due to noise, please be attached so that the heat sink is grounded to the frame ground.

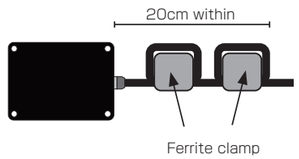

(Back face)

B&PLUS K.K. (Former NIHON BALLUFF co., Ltd.)
http://www.b-plus-kk.jp/　E-mail b-plus@b-plus-kk.jp

Wiring

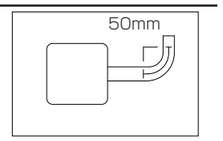
(1)In order to meet the EMC (IEC61000-4-3.Radiation radio frequency electromagnetic field immunity) standards, the ferrite core clamp of bundled, please attach two clamps within 20cm from the body. The number of turns is two turns.
2)If you want to extend the cable is in consideration of the voltage drop, please use a sufficiently thick cable.
(3 This product complies with the EMS directive and CE mark is displayed, but we are not dealing with surges.
When the cable of the output part is used with wiring exceeding 10 m, please take measures to prevent excessive surge from being applied.

■ Ferrite clamp installation image



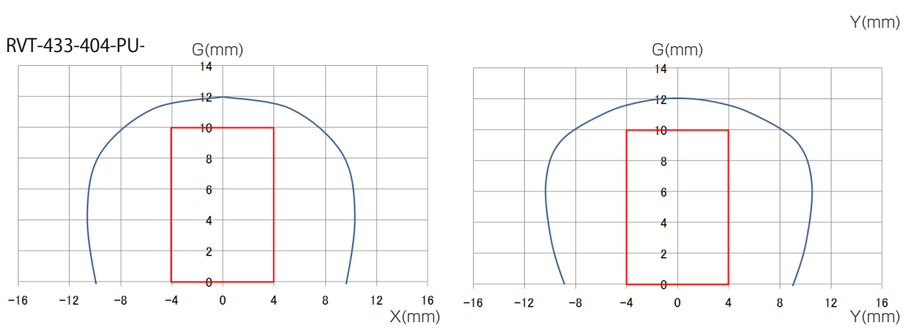
Bending radius of Cable

The minimum bending radius for thesensors are 50mm.



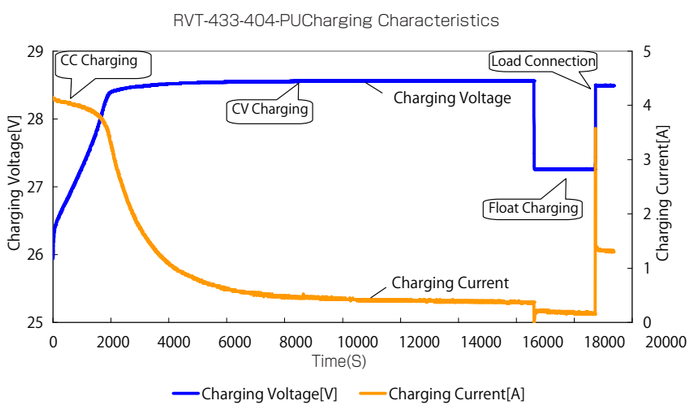
＊Never pull the cable strongin installing

Typical Transmitting Diagram (Supply voltage at 21.6V /non-flush mount)



Curve:Representative example(When the power supply voltage is 21.6V / non-flush mount)
Square frame line:Operating distance

Charging Characteristics



The GS Yuasa made PE12V12 connected two series, after a 50% discharge, evaluate the charging characteristics in the combination of the RVE-433-2-PU / RVT-433-404-PU.

Attention

· In the over-discharge state (below the battery voltage of about 20V), to limit the charging current to about 1.2A. Usually returns to the charge cycle and when it is more than about 20V.
· When the output current from the RVT-433-404-PU is less than or equal to about 0.4A, it will transition to float charge.
· When the output current from the RVT-433-404-PU is more than about 0.8A, to migrate from the float charge to the normal state of charge.
· Battery voltage is about 15V or less, or if you have connected the about 30V or more of the battery even when the opposing state does not start charging operation.

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http://www.b-plus-kk.jp/ E-mail b-plus@b-plus-kk.jp