

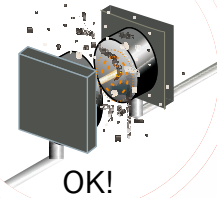
Upgrade power supply by non-contact

24V DC/5A

28V DC/4A (For battery charging)

Parallel coupling
RV/A series
24V/5A and
28V/4A

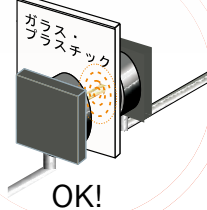
Dust and chip



Dirt and waterdrop

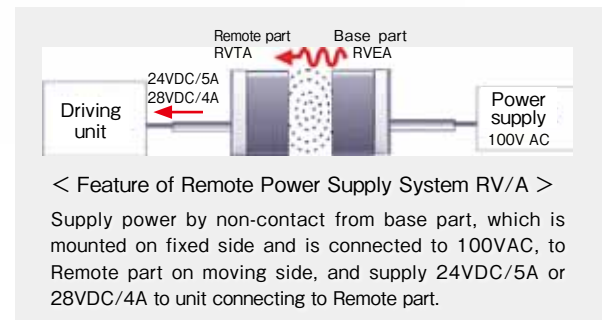


Non-metal partition



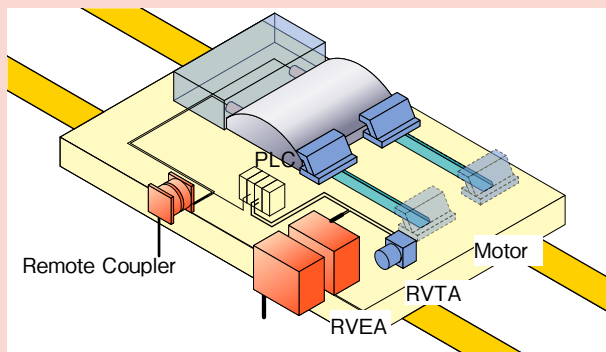
Base part :
RVEA-411-3-PU

Remote part :
RVTA-411-25-PU
RVTA-411-44-PU (For battery charging)



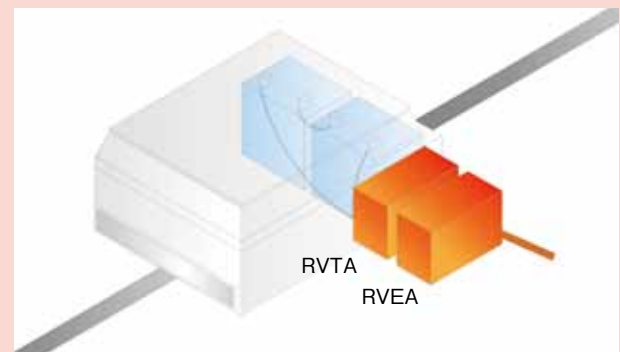
Application

Power supply to motor on pallet

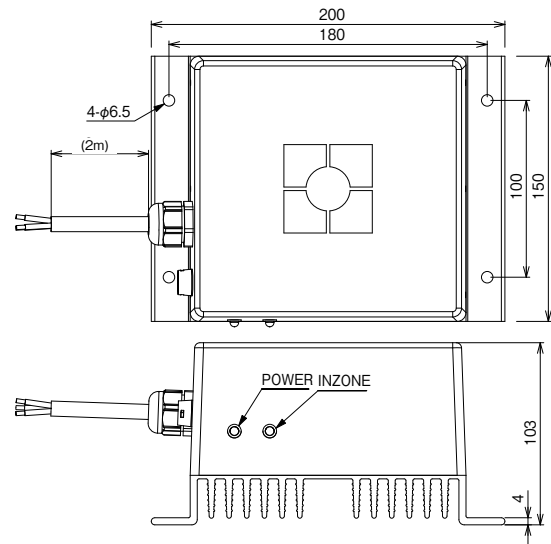
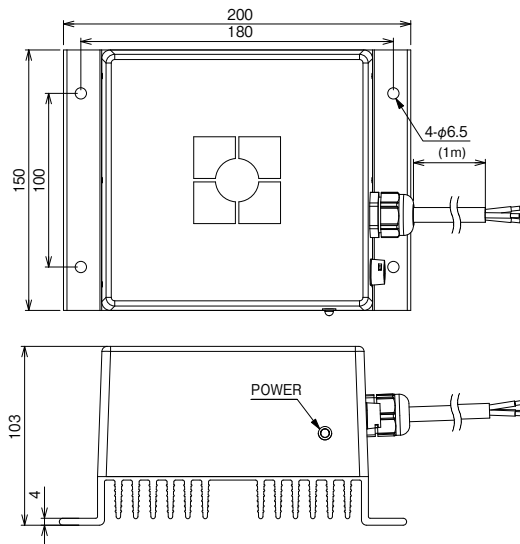


- The connector for power supply to the pallet is no longer necessary.
- Due to using PLC on the pallet, communication between pallet side and station side is only necessary at start and end of product line.

Battery charging to AGV



- To stop AGV is to start battery-charge.
- As current-carrying part is covered in a case, safety of an operator is defended.



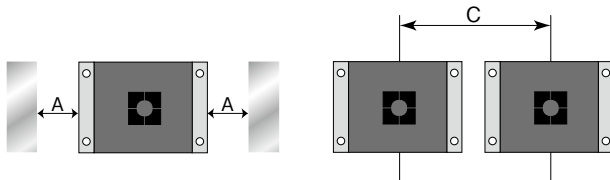
Remote part		
Type code	RVTA-411-25-PU-01	RVTA-411-44-PU-01
Driving voltage	24V ± 2V DC	28V ± 2V DC
Driving current	max.5A	max.4A
Operating distance	0...10mm	0...10mm
Offset tolerance	± 4mm	± 4mm
Driving current	≤ 5A	≤ 4A
Operating temperature	0...+50°C	
Protection class	IP65	
Cable	PUR / φ 8 , 3 x 2mm ² (BN : + / BU : - / YE+GN : FG)	
Material	Housing: PPS, Heat sink: Aluminum	
Weight	3Kg (Body) + 100g/m (Cable) = 3.1Kg	
Note	For battery charging	

Base part		
Type code	RVEA-411-3-PU-02	
Supply voltage	100V AC ± 10%	
Current consumption	≤ 3A	
Load current	---	
Operating frequency	---	
LED	Power , Inzone	
Operating temperature	0...+50°C	
Protection class	IP65	
Cable	PUR / ϕ 8 , 3 x 2mm ² (BN : + / BU : - / YE+GN : FG)	
Material	Housing	PPS
	Heat sink	Aluminum
Weight	3Kg (Body) + 100g/m (Cable) x 2 = 3.2Kg	
Note		

Mounting

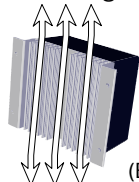
In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted sensors, keep the minimum free zone as described below.

■ Influence of surrounding metal ■ Mutual interference



Type code	A(mm)	C(mm)
RVTA-411-_-PU-_-	150	500
RVEA-411-3-PU-_-		

■ Self-heating

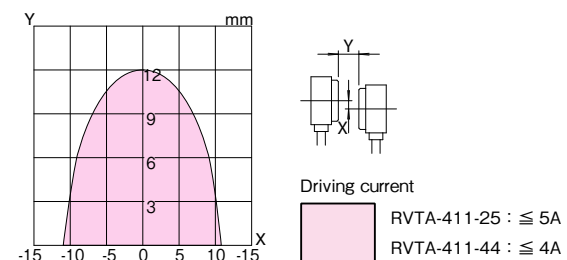


(Back side)

- (1) To keep the ideal naturally-cooled condition, please pay attention to natural convection.
- (2) Please consider about self-heating and take measure to keep the operating temperature

Typical transmitting diagram (Supply voltage at 100VAC)

RVTA-411-_-PU-_-/RVEA-411-3-PU-_-



Note

- Please use with driving unit for DC24 +/- 2V
- The total value of the connecting driving unit should not exceed the driving current.
- Please be sure that driving current changes depending on operating distance or center offset (Refer to the diagram above)

B & PLUS K.K.

274 Gomyo Tokigawa-machi
Hiki-gun Saitama 355-0343 Japan
E-mail : b-plus@b-plus-kk.jp

<http://www.b-plus-kk.jp>

USA Branch

3940 Olympic Blvd. Suite 400
Erlanger, KY 41018
E-mail : b-plus-usa@b-plus-kk.com

<http://www.b-plus-kk.com>

*Specification is subject to change without notice.

BN0803Be

2012.05