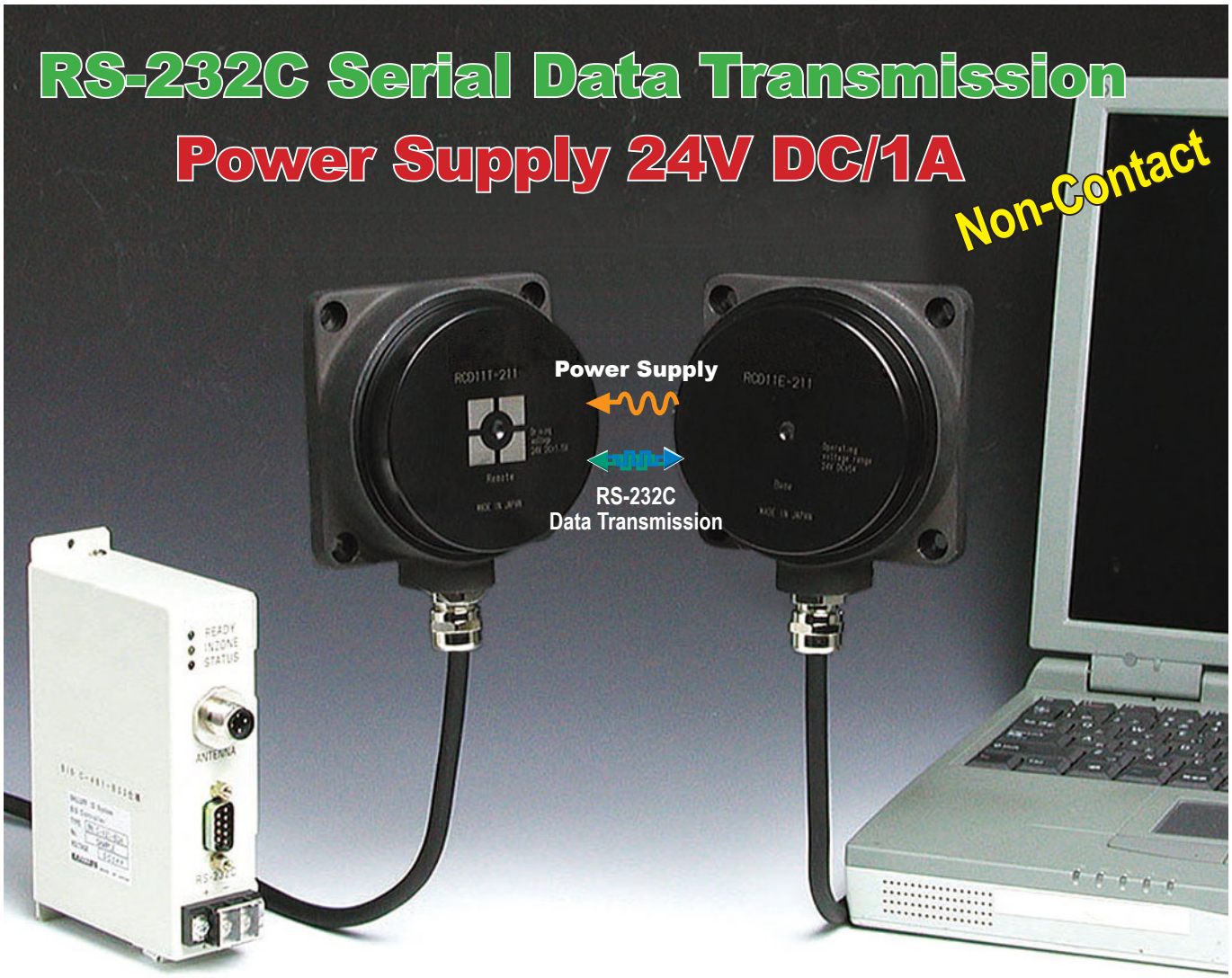
B&PLUS

Remote

Remote Coupler System / RS-232C version

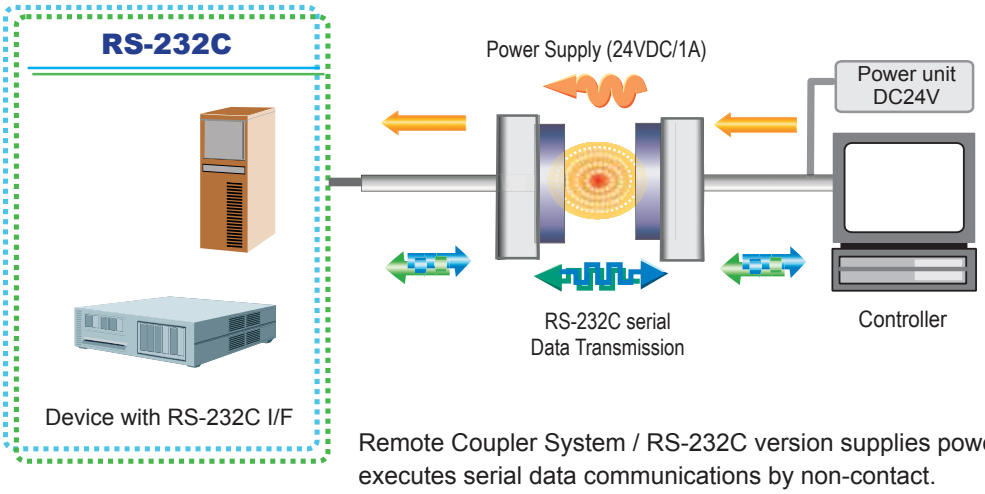


Transmitting distance : 3...10mm
(Center off-set +-5mm)

Supply voltage : 24V DC/1A
(Transmitting distance : 5mm)

Transmitting Speed : max.38400bps
(Duplex communication)

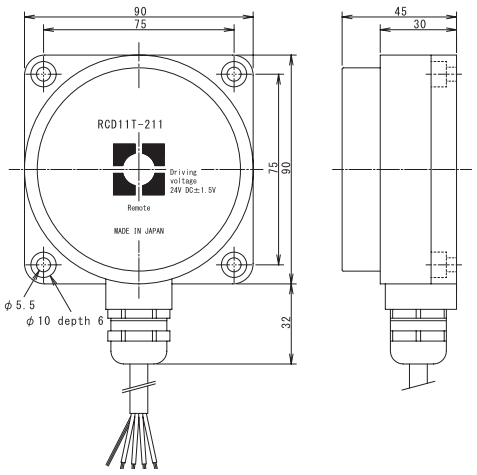
Construction of the System



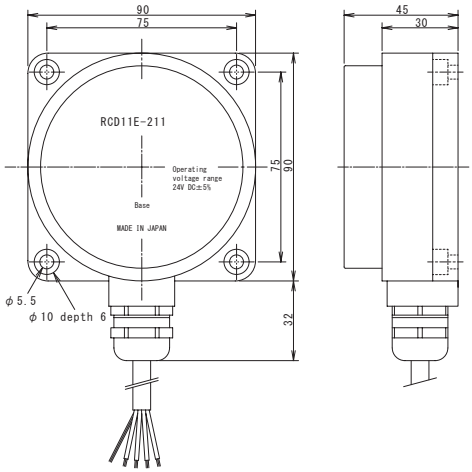
Remote Coupler System / RS-232C version supplies power and executes serial data communications by non-contact.
It accomplished to install a unit of RS-232C in a device with a turn or movement.

Specification and Dimension

Remote



Base



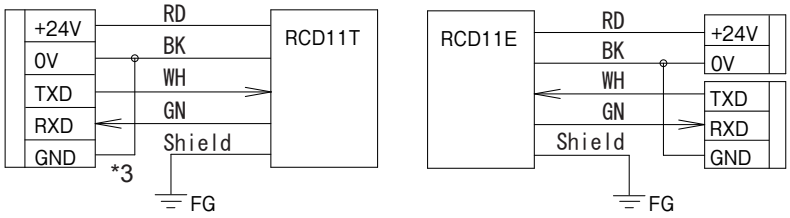
Type number	RCD11T-211-PU-xx*1	
Appropriate Base	RCD11E-211-PU-xx	
Drive voltage*2	24+-1.5V DC (ripple : =<1V)	
Drive current*2	max. 500mA	max.1A
Transmitting distance	3...10mm	4...6mm
Center off-set	+-5mm	+-5mm
Serial signal communication	RS-232C, duplex, asyncronous	
	4800...38400bps, without data check	
Serial signal communication delay	=<20 micro sec.	
Operating temperature	0...+50 deg.C.	
Protection class	IP 67	
Cable	PUR, phi 7.6mm 4x0.75mm^2	
	Shield cable	
Material	Case : Aluminum	
	Transmitting surface : PBT+ABS	

Type number	RCD11E-211-PU-xx*1
Appropriate Remote	RCD11T-211-PU-xx
Supply voltage	24V DC +-5% (incl. ripple)
Consumption current	max.3A
Transmitting distance	3...10mm (Center off-set +-5mm)
Serial signal communication	RS-232C, duplex, asyncronous
	4800...38400bps, without data check
Serial signal communication delay	=<20 micro sec.
Operating temperature	0...+50 deg.C.
Protection class	IP 67
Cable	PUR, phi 7.6mm 4x0.75mm^2
	Shield cable
Material	Case : Aluminum
	Transmitting surface : PBT+ABS

*1 : Cable length : it is indicated in xx per meters

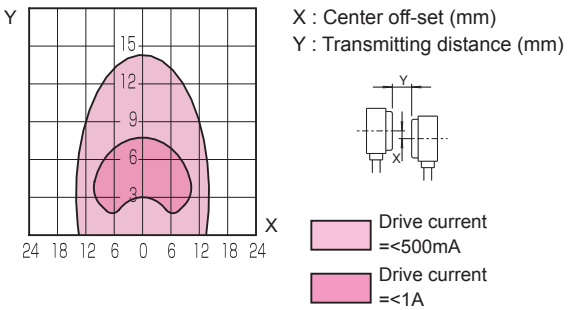
*2 : Voltage and current supplied by the system for the connected units with the Remote.
The load of the Remote part (the total current consumption of connecting equipments should be at least 200mA but no more than the drive current.

Signal & Cable color



*3:In the following cases,this wiring is necessary.
- When 0V is not connected with GND of RS-232C in the equipment.
- For the equipment that doesn't need the power supply from RCD11T.

Transmitting area diagram



<< Notes >>

If the sensor is used under the shorter distance than the specification operating distance or under small load, it could cause the malfunction.

Please contact us if you use the sensor without connecting load.

Wireless Power Supply by

B & PLUS K.K.

Mail : b-plus-usa@b-plus-kk.com

Web : http://www.b-plus-kk.com