DeviceNet / Size : 97 x 90

Operating distance **3...5mm**
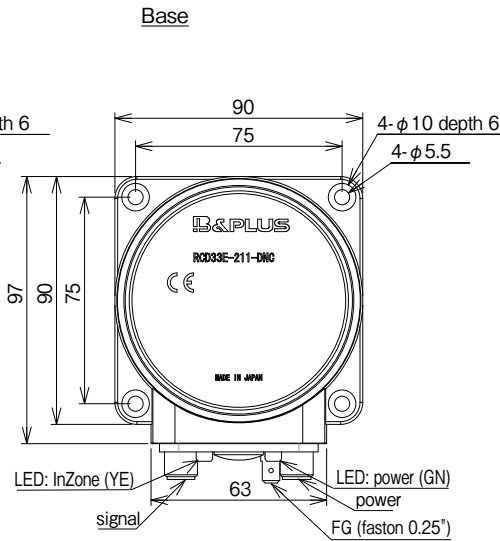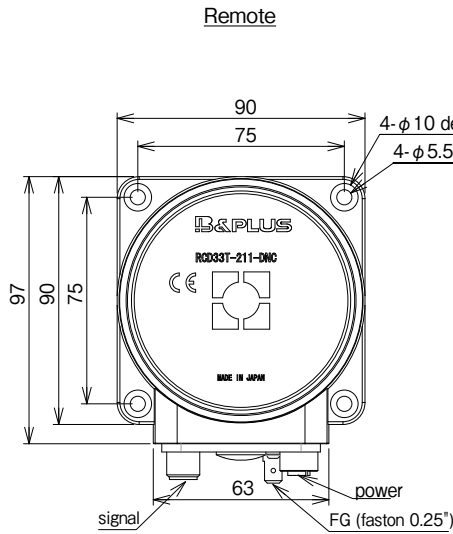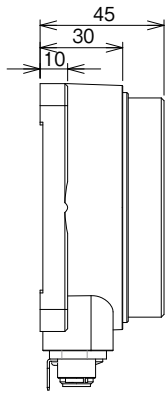
Remote

Base

Remote Wiring

Pin	Signal	Power
1	Shield	24V DC
2	V +	unused
3	V -	0 V
4	CAN H	unused
5	CAN L	

Base Wiring

Pin	Signal	Power
1	Shield	24V DC
2	V +	unused
3	V -	0 V
4	CAN H	unused
5	CAN L	

LED: InZone (YE)
LED: power (GN)
signal
power
FG (faston 0.25")

	Remote
Type Code DeviceNet	**RCD33T-211-DNC**
Drive voltage	24V ± 1.5V DC
Drive current	≤ 2A
Operating distance	3...5mm
Center offset	± 4mm
Drive current	≤ 2A
Operating temperature	0...+50℃
Protection class	IP 67
Connector	M12 / signal:5-pin (male), Power supply : 4-pin (femalel)
Material Housing	Aluminum + alumite processing (metal part)
Active face	ABS + PBT (resin part)
Weight	800 g
Included	Ferrite core clamp

	Base
Type Code DeviceNet	**RCD33E-211-DNC**
Operational voltage	24V DC ± 5% (incl. ripple)
Current consumption	≤ 3A
Communication signal	DeviceNet（CAN Bus）
Delay	≤ 0.5 μ sec.
Start up	≤ 2 sec.*
Operating temperature	0...+50℃
Protection class	IP 67
Connector	M12 /signal：5-pin (male), Power supply：4-pin (male)
Material Housing	Aluminum + alumite processing (metal part)
Active face	ABS + PBT (resin part)
Weight	800 g
Included	Ferrite core clamp

＊ It is the start up time of Remote system.
The start up time of DeviceNet is varied by the system.

Notes

- Communication speed is 125K....500K bps.
- Be sure to connect the terminal resister on both ends of DeviceNet.
  Each two terminal resistors are required on Remote side and Base side.
  Termination resistor should be prepared by an user.
- Please prepare cable and connectors for wiring the system.
- It is recommended to install RCD33 in metal in order to reduce the influence of self-heating.
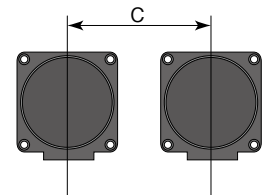
Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted Remote and Base, keep the minimum distances as described below.
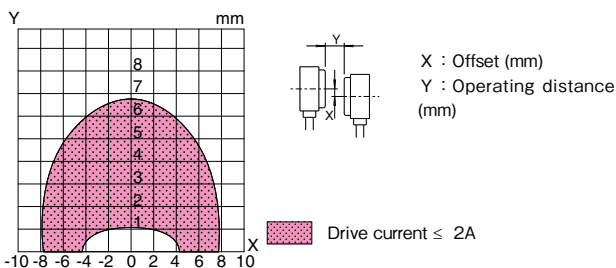
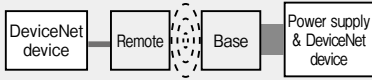Surrounding metal

Parallel installation

Type Code	A(mm)	B(mm)	C(mm)
RCD33T-211-DNC	50	45	300
RCD33E-211-DNC			

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

RCD33T-211-DNC / RCD33E-211-DNC

X：Offset (mm)
Y：Operating distance (mm)

Drive current ≤ 2A
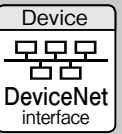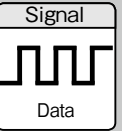
Remote
Coupler

4+4
Switch Signal

8+8
Switch Signal

64+32
Switch Signal

RS-232C

CC-Link

DeviceNet