Remote Sensor System User's Guide

Remote Sensor sy Analog Sensor 1 s	/stem /Analog sugnal signal transmission
Transmitter:	RNT-1803-VS10-PU
Output Sensor :	RNE-1803A-PU

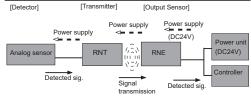
Attention for Installation

(Read this section thoroughly before installation.)

Before using the Remote Sensor, read this manual carefully. During installation and operation, pay close attention to the safety aspect.

- Ensure the power is switched off during installation or maintenance operations.
- ♦ Use a regulated power supply, e.g. switch-model type. Simpler power supplies, such as a full-wave rectification type, will cause the permissible ripple rating to be exceed and may cause malfunction.
- ◆ Ensure correct connections by reference to the wiring diagram.
- ◆ To avoid malfunction caused by induction noise, cable should be kept apart from motor or other power cable.

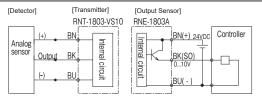
Construction of the system



[Function of each component]

- :Connects an analog sensor and transmits the Detector detected signals to the Transmitter
- Transmitter : Provides power for the Detector, also passes detected signals from the Detector to the Output Sensor.
- Output Sensor: Change the detect signal to analog signal (0...10V) and output to external unit and supplies power for operation of Transmitter at the same time.

Wiring diagram



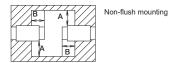
[Caution]

- Please use an analog sensor in accord with the forementioned condition as a detector.

- The cable length of RTE-1803A-PU must not exceed 10m.

Influence of surrounding metal

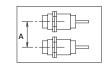
To avoid influence of surrounding metal, keep minimum spacing as described below;

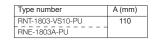


Type number	A (mm)	B (mm)
RNT-1803-VS10-PU	20	15
RNE-1803A-PU		

Mutual interference

In order to prevent mutual interference between parallel-mounted sensors, keep minimum spacing as described below;





Installation

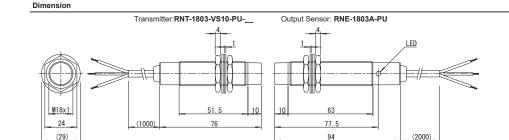
Tightening troque for attached nut is 20Nm(200kgf·cm).

The minimum bending radius for the sensors are 50mm.





* Never pull the cable strongly in installing.



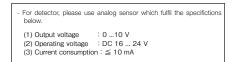
A041

Specification

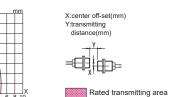
		BUE (000 BU	0	T .	0 00 00
Type number	RNT-1803-VS10-PU	RNE-1803A-PU	OperatingTemperature		0+60 °C
Rated transmitting distance	0 2.5 mm		Protect	tion class	IP67
Center off-set	± 2 mm		Material	Housina	Nickel plated brass
Supply voltage	-	DC 24 V ± 5% (incl.ripple)		Active surface	Nvlon12
Current consumption	-	≦ 150 mA		710070 301000	INVIOLITZ

◆ Please note that the signal may become unstable (false signal or chattering) when the transmission distance and the center offset are outside the specification range

◆ The inzone signal is a preliminary signal for confirming that the output signal is established within the specification range. Please note that it does not guarantee signals output outside the specification range.







B&PLUJ K.K. http://www.b-plus-kk.jp/ E-mail b-plus@b-plus-kk.jp

2017. 11. 09 No.T301A03E

