Remote System
User’s Guide

Remote Sensor System
8 signal transmission type
Temperature rated (+80 deg.C.)
Transmitter: RS08TA-018D-PU, RS08TA-030D-PU
Output Sensor: RS08EA-018N/P-PU, RS08EA-030N/P-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.
Simple 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
[Detector] [Transmitter] [Output Sensor]

Drive Voltage 12V DC ± 1.5V
Residual voltage min. 3.5V
Supply voltage 12V DC ± 1.5V
Current consumption ≦ 150mA

Influence of surrounding metal and Mutual interference
In order to avoid mutual interference between parallel-mounted sensors or to avoid influence of surrounding metal when sensor is mounted in metal keep the minimum space as described below.

Wiring
NPN type
PNP type

Transmission area diagram
X: center offset (mm) Y: transmitting distance (mm)

◆ The drive current is dependent on the transmission distance between Transmitter and Output Sensor the degree of offset between them refer to Transmitting area diagram.
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Bending radius of cable
The minimum bending radius for these sensors is 50mm.

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

<NOTES>
This product is in conformity with EMC directive and indicated CE marking.
Appropriate measure should be taken to avoid excessive surge when the cable length between RS08EA and a power unit is longer than 10m because it is not taken procedure to surge.
Don’t touch RS08A directly after having used it at high temperature for many hours, or you will burn yourself.
Maintenance work should not be carried out before RS08_A cools down.

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