

Built-in an ID controller to an ID antenna! *Arrival of Reader/Writer!!*

- **RS-232C direct connection!**
 Wisely used general, RS-232C (serial number) signal input and output!
- **Cost reduction !**
 No need of the ID controller! Reduce the installation cost!
- **Including software for reading and writing**
 Easy programming!

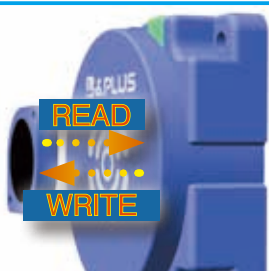
ID Reader/Writer
Z3-R010-CN



ID tag
Z1-AA04-02K



Corresponds to ISO 15693!
 Various ID tags are available

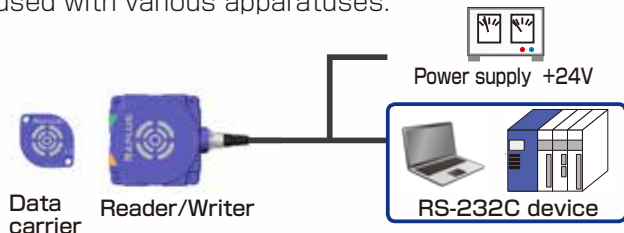


Memory 2K byte & communications
 distance 30mm!

Contribution to cost reduction!

Not necessary for ID controller and contributes to cost reduction!

Because it is RS-232C output, the signal can be used with various apparatuses.

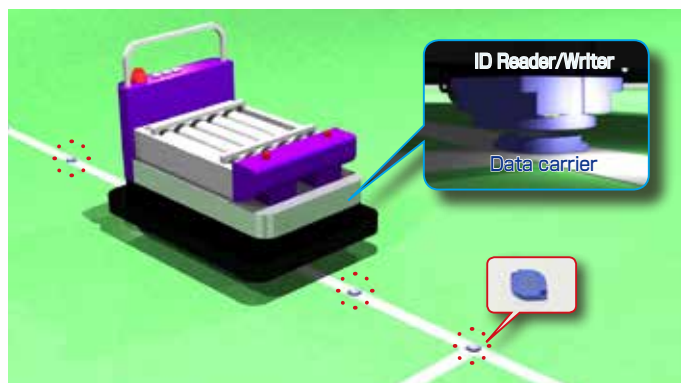


Easy programming!



Includes data reading and writing software for Windows. Connect an ID reader/writer to a PC, and easily read and write to ID tag using the software.

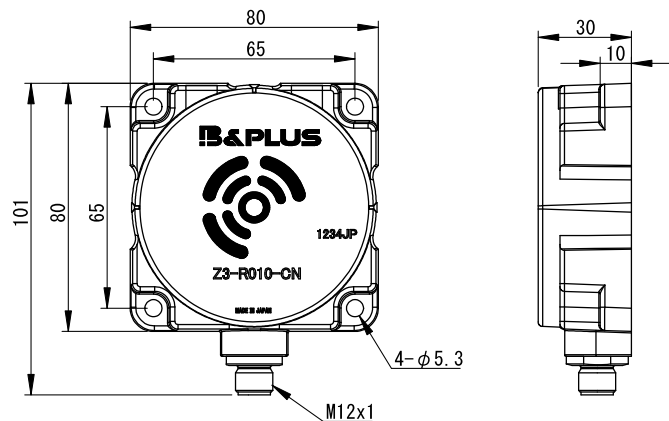
Suitable for orbit detection of the AGV!



Place the ID tag on the programmed AGV traveling line. AGV reads the address information by non-contact from ID tag, and the AGV runs according to program.

- ◆ Possible to read the complicated route as well.
- ◆ Alternation of the route with AGV is easy.
- ◆ ID reader/writer and the ID tag are waterproofing and dust protection of IP67

■ ID Reader/Writer



Type code	Z3-R010-CN
Supply voltage	24VDC+10%/-20%(including)
Current consumption	≤ 50mA
In zone output	OPEN DRAIN NPN or PNP (max power electric current 50mA)
Operating / Storage temperature	-0 ~ +50°C / -10 ~ +70°C
protective construction	IP67
Case material	PBT
Weight	90g
Mounting arrangement	Fixation with the M5 screw (Tightening torque 1.5 Nm)
Wireless Telegraphy Act	ARIB instruction-type read/write communication equipment. AC-13003 FCC ID:SWUDE-BNP R&TTE

Notes

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.

Mounting	Type code	Fig.	Non-metallic area (mm)		Fig.	Mutual interference
			A	B	D	
Metal	Z3-R010-CN	4	200	0	5	500
Non-metal	Z3-R010-CN	4	200	40	5	500

ID tag

Type code	Z1-AA04-02K	Z1-FA01-128	Z1-FB01-128	Z1-EC02-128	Z1-B011-128
Features	Large-capacity tag	Flexible Data carrier	Flexible Data carrier	Ceramic Data carrier	Long distance Data carrier
Size	30 x 30 x 6	φ 16 x 0.9	φ 28 x 0.8	φ 26 x 3.4	φ 50 x 8.3
Memory capacity	2K byte	112 byte	112 byte	112 byte	112 byte
Mouting	Non-metal mounting	Non-metal mounting	Non-metal mounting	Non-metal mounting	Non-metal mounting
communication distance	0...34mm	0...42mm	0...60mm	0...34mm	0...54mm

*As for the ID tag, five smallest lot becomes the sale by the unit.

*The value of the communication distance is a reference value.

*Metal mounting is the condition to install directly on metal. The surrounding (A) is a non-metal area.

*Non-metal mounting is a state in which a non-metal area is around (A) and back (B) of ID reader / writer.

*ID tags can not be mounted on metal.

■ Connector cable

Type code	Z7-A001A-PU_	Z7-A002A-PU_	Z7-A007-C1
Connector	Straight	Angle	Straight (with the AC adapter connection terminal)
Cable specification	PUR φ 7/8 x 24AWG Twisted pair / max. 15m	PUR φ 7/8 x 24AWG Twisted pair / max. 15m	· D-Sub9 pin connector for connection and plug wiring for power supply connection. (Recommended AC adapter:) MACP-2405 (product of MISUMI) · USB serial cable correspondence (recommended cable BSUSRC06 (product of BUFFALO))
Connector size	Round (M12) 8 pin / female	Round (M12) 8 pin / female	Round (M12) 8 pin / female

Wireless Power Supply by
B & PLUS K.K.

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■ Infor may change the mention contents such as specifications without a notice. Thank you for understanding