

MICROWAVE BARRIER SWITCH

Microwave Barrier Switch detects the upper and lower limits of silo, hopper etc.. The microwave system enables non-contact detection and easy maintenance. Further the mounting positions can be easily decided because detection works when the accumulation of material blocks the straight line between transmitter and receiver.



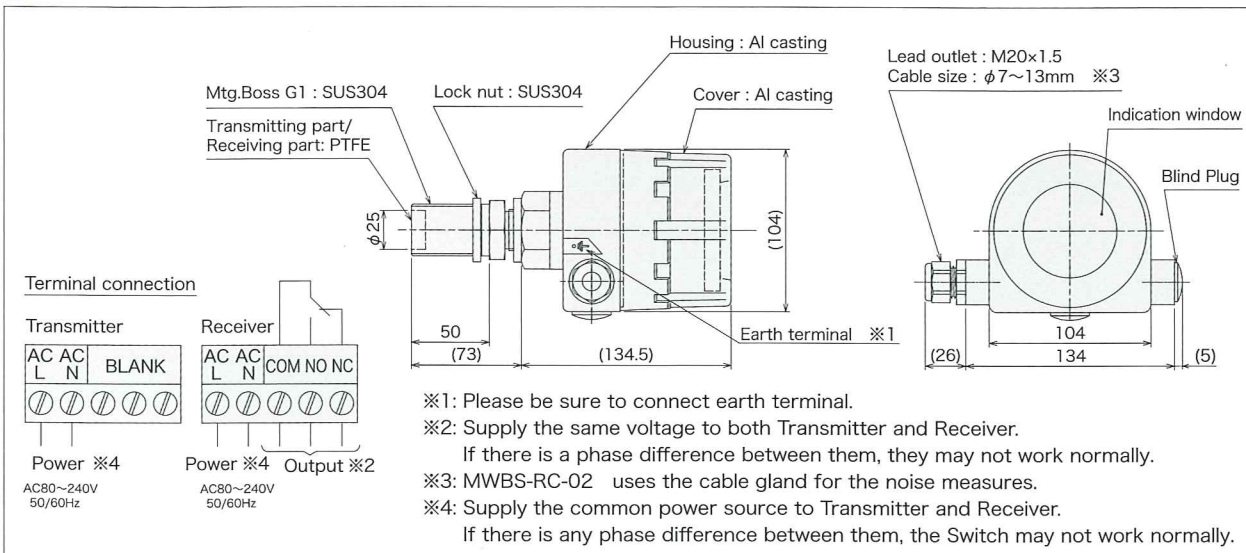
- ❑ Max. detection distance 100m realized.
- ❑ Small detection area dia.25mm of transmitter/receiver enables easy installation.
- ❑ Free voltage model from AC80 to AC240V reliable against unexpected voltage variation and disturbance noise.
- ❑ Sensitivity setting with digital switch system enables an exact and stable setting.
- ❑ Microwave system enables to detect the level inside of silo shielded by an insulating material.
- ❑ 10-digits LED indication of the received value.

Receiver : MWBS-RC-02

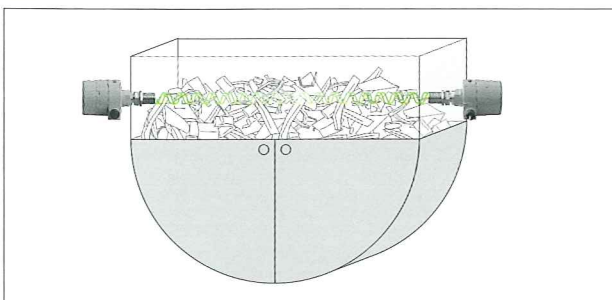
Specification

Model	Transmitter: MWBS-TR-02 Receiver: MWBS-RC-02	Ambient temp.	-10 ~ +55°C
Power source	AC80 ~ 240V 50/60Hz	Allowable pressure	Below approx. 0.5MPa (5kgf/cm ²)
Setting range	Max. 100m	Material	Housing: ADC Boss: SUS304 Transmitting/Receiving portion: PTFE
Frequency	24GHz band	Mounting	G1 screw (incl. lock-nut and packing)
Oscillation power	Max. 10mW	Protection	IP65
Output (for control)	1C relay output (AC250V 3A) (Actuation) Detection: ON when blocked by accumulation ON DELAY: ON when continuously blocked by accumulation longer than setting time	Coating color	Munsell 7.5GY6/10
Integration	ON DELAY 0.1 ~ 10 sec. (adjustable)	Mass	Approx. 1.8 kg
Power consumption	Transmitter: 3.6W, Receiver: 4.9W		

Dimension(mm) and Terminal connection

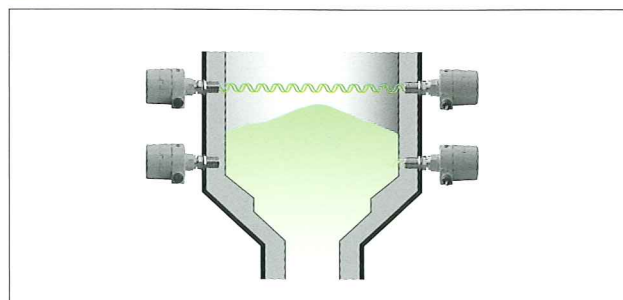


Detection of unstable level of scrap etc.



※The transmitting distance of insulation and refractory is different according to the material.

Detection through refractory



Specifications are subject to change without notice.
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CAUTION

- For proper and safety use of the product, read thoroughly the instruction manual before using.
- Consult with our representatives where there is a possibility to apply the product to such system that requires safety directly relating to human body.

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