specification



The wireless tag I

sensor ribbon stores and boosts the weak power it receives,
then transmits it wirelessly to notify of water leaks.

Wireless Tag I	S-CBTGAAAC
size	148x8x5 mm (Body: 90x8x5 mm)
operating temperature	5 ~ 85°C (Storage: -25 ~ 85°C)
Operating humidity	90%RH max.
Wireless standards	Bluetooth® 4.2 Low Energy
frequency range	2402 ~ 2480MHz
output	0 dBm typ.
Transmission distance	Visibility: Approximately 30-100m
Transmission method	Beacon mode



The weak power obtained from the Wireless Tag II sensor ribbon is stored and boosted, and then transmitted wirelessly to notify of water leaks.

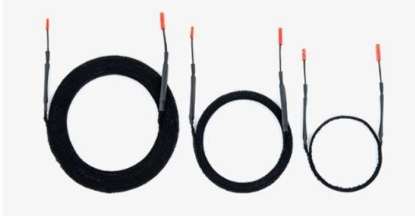
Wireless Tag II	S-CBTGAABI
size	134x10x18 mm (body: 65x10x18 mm)
operating temperature	-10 ~ 85°C (Storage: -25 ~ 85°C)
Operating humidity	95%RH max.
Wireless standards	Bluetooth® 5.0 Low Energy
frequency range	2402 ~ 2480MHz
output	8 dBm typ.
Transmission distance	Visibility: Approximately 100-200m
Transmission method	Beacon mode



Sensor Ribbon I

generates a weak electric current when wet.
Multiple ribbons can be connected together for use.

Sensor Ribbon I	S-CBSSAAAC-001, 002, 003
size	0.5m S-CBSSAAAC-001: 700×13×8 mm 2.0m S-CBSSAAAC-002: 2,200×13×8 mm 5.0m S-CBSSAAAC-003: 5,200×13×8 mm
operating temperature	0 ~ 85°C (Storage: -25 ~ 85°C)
Operating humidity	95%RH max. (70°C max.)
Dripping amount	150µl min. (@Ta=25°C, 40% RH)
Detected temperature	5 ~ 85°C
Detection time	300s max. (Conductivity: 200µS/cm)
length	15m max. @70°C, 95%RH



Sensor Ribbon II

generates a weak electric current when wet.
Multiple ribbons can be connected together. Reusable.

Sensor Ribbon II	S-CBSSAABI-201, 202, 203
size	0.5m S-CBSSAABI-201 : 740×13×5 mm 2.0m S-CBSSAABI-202 : 2,240×13×5 mm 5.0m S-CBSSAABI-203 : 5,240×13×5 mm
operating temperature	0 ~ 85°C (Storage: -25 ~ 85°C)
Operating humidity	95%RH max.
Dripping amount	100 µl min. (@Ta=25°C, 40%)
Detected temperature	5 ~ 85°C
Detection time	60s max. (Conductivity: 200µS/cm) @300µl
length	20m max. @40°C, 90%RH

*If using repeatedly, please use the optional health monitoring timer or aim for a cumulative power generation time of 500 hours.

Options (health monitoring timer)

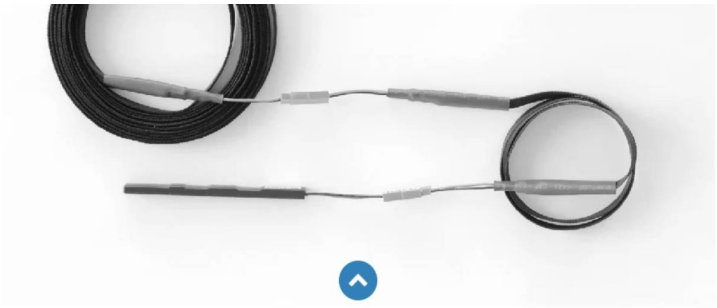
Download materials



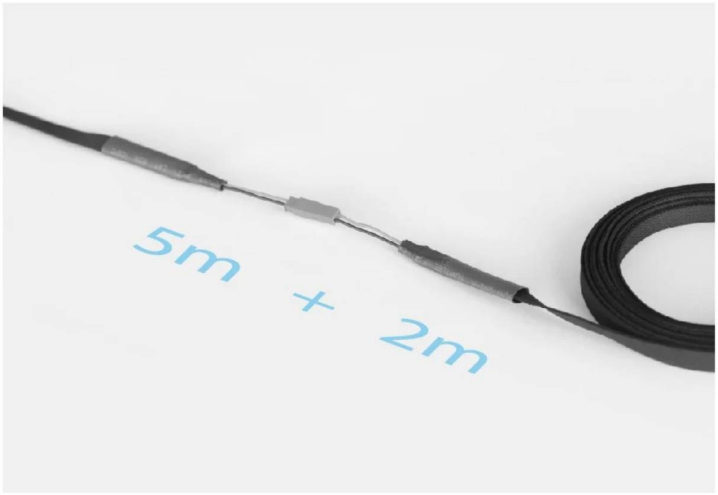
Appearance comparison of sensor ribbons I and II



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Connecting wireless tags and sensor ribbons



Connecting sensor ribbons

Please contact our customer service department if you are considering implementing our system.

Inquiries by phone

03-4214-8585

(Weekdays: 9:00 AM - 6:00 PM)

Inquiries via the web

Inquiries regarding CLEAN-Boost

*The battery-less water leak sensor is a product jointly developed with Taisei Corporation.
**The storage boost circuit is a joint development between Ritsumeikan University and ABLIC Inc.
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