

FCL Components Wireless

Mesh Units: FWM8BLZ08A / FWM8BLZ08T

Mesh Multi-Sensor Units: FWM8BLZ08Y / FWM8BLZ08C

Overview

Endurance line of wireless Mesh units and Mesh sensor units featuring built-in Wirepas Wireless Mesh network connectivity.

Features

- Powered by Wirepas Mesh networks for various industrial IoT applications
- Flexible power source options: 4 AA batteries or USB-C. 5 year battery life with AA batteries when it is used in Anchor mode (FWM8BLZ08A). FWM8BLZ08T has wake-up/sleep function for further energy savings.
- Detachable installation bracket makes easy installation and maintenance. Screw holes for the secure mount on a wall, ceiling, or pillar. Double-side adhesive tape mount possible.
- Water resistant and dustproof: All devices are IP65 rated. FWM8BLZ08A/T/Y are IP65 rated only when battery powered.
- White color is suitable for hospitals, offices, and schools. Each unit has a unique Japanese traditional motif to identify the function.

 **Wirepas**
RoHS compliant


Applications

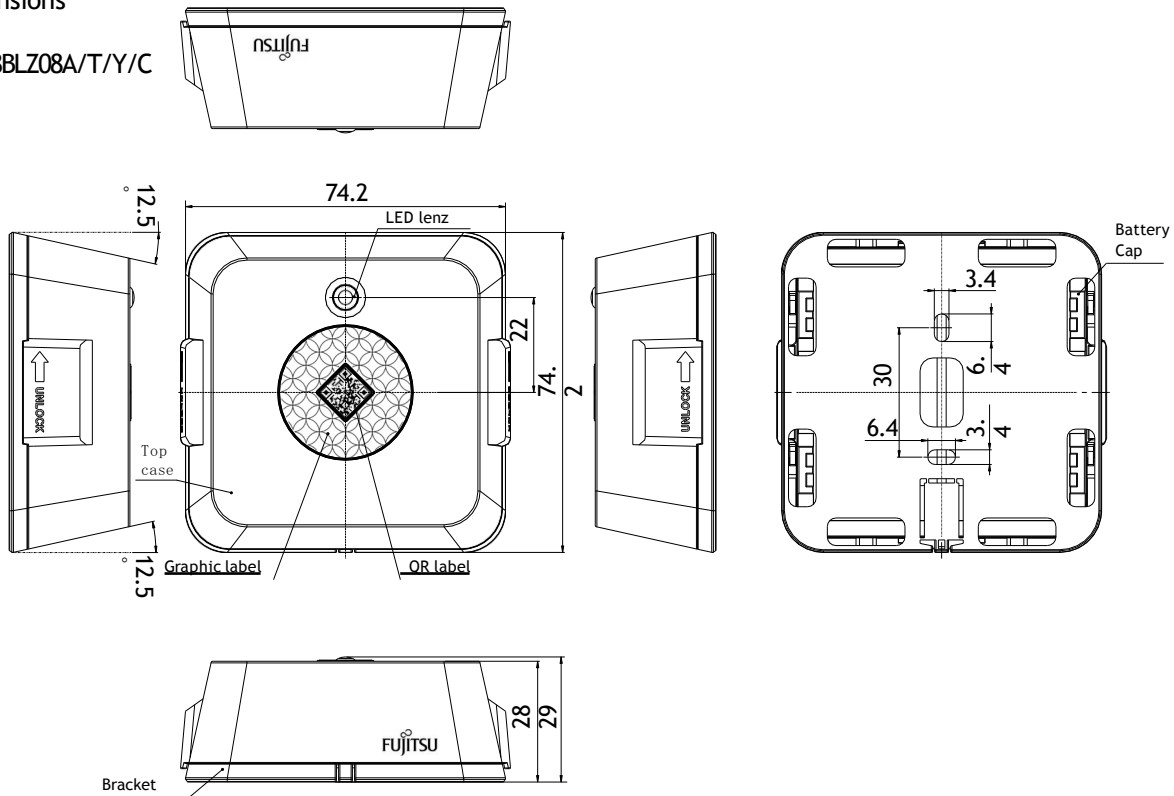
Asset management, Sensor network, Smart buildings, Smart factory, Smart city.

Specifications

Item	Specifications			
Type	Mesh unit (Anchor)	Mesh unit (Tag)	Mesh Multi-sensor unit	Mesh CO2+Multi-sensor unit
Part number	FWM8BLZ08A	FWM8BLZ08T	FWM8BLZ08Y	FWM8BLZ08C
Mesh technology	Wirepas Massive			
Antenna	Embedded (pattern antenna)			
Transmit power	+4dBm max. (adjusted automatically)			
IC	Nordic Semiconductor nRF52832			
Power supply	4x AA batteries (Battery voltage notification) or USB-C			USB-C
Operating temp.	-20°C to +60°C			-10°C to +60°C
Sensor	3-axis acceleration (Used for wake-up function. Data collection capability is not available.)		temperature, humidity, barometric pressure, illuminance, sound level, 3-axis acceleration,	CO2, temperature, humidity, barometric pressure, illuminance, sound level, 3-axis acceleration
Water resistant	AA battery: IP65, USB power supply: no IP			IP65
Dimensions / weight	74.2 x 74.2 x 28.0 mm / 75g (without battery)			74.2 x 74.2 x 28.0 mm / 65g
Certifications	FCC, ISED, CE, Radio Act Japan, RCM			

■ Dimensions

FWM8BLZ08A/T/Y/C



Unit: mm

■ Reference - enlargement of Japanese traditional motif



FWM8BLZ08A



FWM8BLZ08T



FWM8BLZ08Y



FWM8BLZ08C

Contact

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