

# FUJITSU Component Wireless Modules

## Bluetooth® Version 5.0 Beacon

### FWM8BLZ07

#### Overview

A Bluetooth Version 5.0 beacon which can broadcast advertising data with selectable operating modes.



#### Features

- **Selection of 3 operation modes**
  - Broadcast mode: output advertising data as a broadcaster
  - Peripheral mode: makes bidirectional communication with a central device
  - Recovery mode to reset settings to factory settings
- **OTA configuration mode**  
In *Over-The-Air* (OTA) configuration mode the beacon unit settings and data can be re-configured by connecting to the central device
- **LED status indicator**  
The Beacon status can be displayed on the LED indicator
- **Long operation life with coin cell battery**  
The Beacon is able to operate for more than 2 years with a CR2450 coin cell battery at 1 second advertise interval

RoHS compliant



FWM8BLZ07

#### Applications

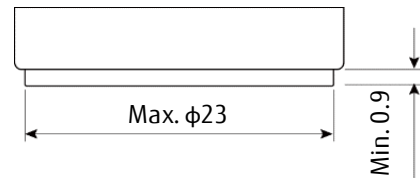
- Asset and human tracking

#### Specifications

Item	Specifications
Part number	FWM8BLZ07-xxxxxx (xxxxxx: suffix to specify each customer's settings)
Type	Beacon
Antenna	Embedded (pattern antenna)
Bluetooth technology	Bluetooth core specification Version 5.0 (LE single mode)
Transmit power	-16, -12, -8, -4, 0, +4 dBm (changeable by command)
IC	Nordic Semiconductor nRF52832
Power supply	Coin cell lithium battery CR2450 (not included)
Operating temperature / humidity	-30°C to +60°C, 20 to 80% RH
Dimensions / Weight	40 x 31 x 12mm / Approx. 10g (without battery)
Certifications	Bluetooth Qualification (QDID), Radio Act (Japan), FCC, ISED, CE
Other	Battery voltage notification function Secure advertise function

■ Battery specifications

Note: Use of coin type lithium battery CR2450  
 Please use the battery meets Figure 1 (minus electrode height min. 0.9mm, diameter max. 23 mm) to keep enough clearance between beacon holder and battery.

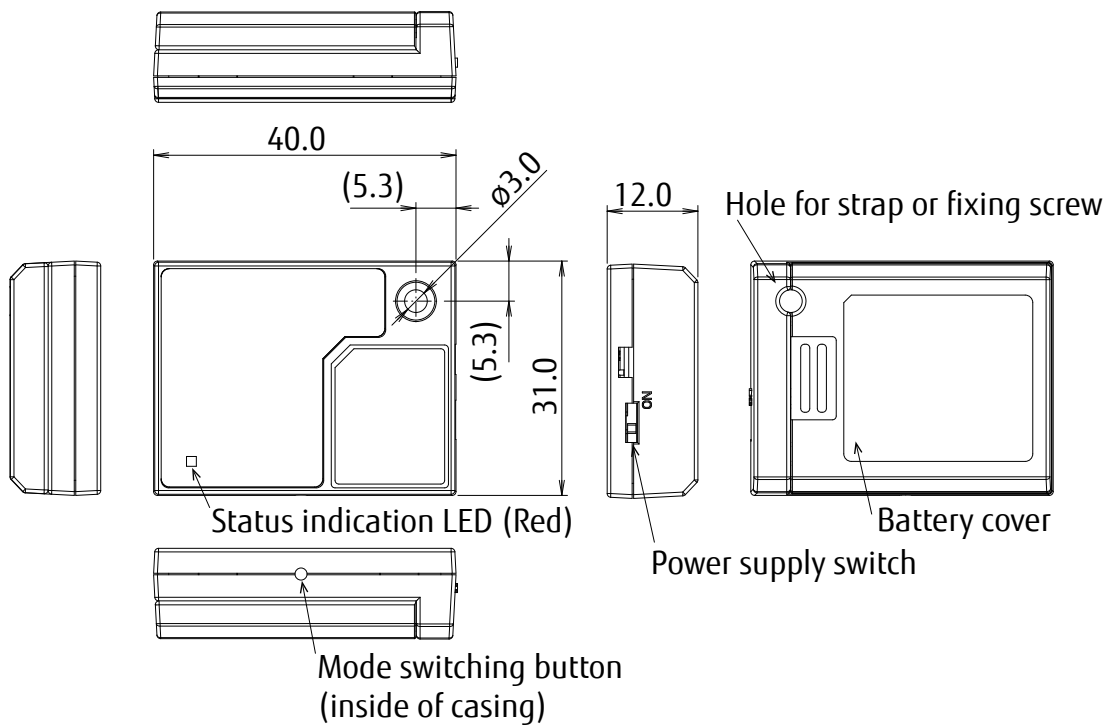


Unit: mm

Figure 1

■ Dimensions

FWM8BLZ07



Unit: mm

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**Contact**

<b>Japan</b> FUJITSU COMPONENT LIMITED Shinagawa Seaside Park Tower 12-4, Higashi-shinagawa 4-chome, Tokyo 140 0002, Japan Tel: (81-3) 3450-1682 Fax: (81-3) 3474-2385 Email: fcl-contact@cs.jp.fujitsu.com Web: www.fujitsu.com/jp/group/fcl/en/	<b>Europe</b> FUJITSU COMPONENTS EUROPE B.V. Diamantlaan 25 2132 WV Hoofddorp Netherlands Tel: (31-23) 5560910 Fax: (31-23) 5560950 Email: info@fceu.fujitsu.com Web: emea.fujitsu.com/components/	<b>China</b> FUJITSU ELECTRONIC COMPONENTS (SHANGHAI) CO., LTD. Unit 4306, InterContinental Center 100 Yu Tong Road, Shanghai 200070, China Tel: (86 21) 3253 0998 /Fax: (86 21) 3253 0997 Email: fcsh@cn.fujitsu.com www.fujitsu.com/cn/products/devices/ components/	<b>Korea</b> FUJITSU COMPONENTS KOREA, LTD. Alpha Tower #403, 645 Sampyeong-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, 13524 Korea Tel: (82 31) 708-7108 Fax: (82 31) 709-7108 Email: fcal@sg.fujitsu.com www.fujitsu.com/sg/products/ devices/components/
<b>North and South America</b> FUJITSU COMPONENTS AMERICA, INC. 1230 E. Arques Ave., M/S 160 Sunnyvale, CA 94085 U.S.A. Tel: (1-408) 745-4900 Fax: (1-408) 745-4970 Email: components@us.fujitsu.com Web: http://us.fujitsu.com/components/	<b>Asia Pacific</b> FUJITSU COMPONENTS ASIA, Ltd. 102E Pasir Panjang Road #01-01 Citilink Warehouse Complex, Singapore 118529 Tel: (65) 6375-8560 / Fax: (65) 6273-3021 Email: fcal@sg.fujitsu.com www.fujitsu.com/sg/products/devices/ components/	<b>Hong Kong</b> FUJITSU COMPONENTS HONG KONG Co., Ltd. Room 06, 28/F, Greenfield Tower, Concordia Plaza, No.1 Science Museum Road, Tsim Sha Tsui East, Kowloon, Hong Kong Tel: (852) 2881 8495 Fax: (852) 2894 9512 Email: fcal@sg.fujitsu.com www.fujitsu.com/sg/products/devices/ components/	

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