

Model no.: 02300

Product name: MHub Essential.



MHub Essential

 02300 PRODUCT SHEET



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**General:**

Dimensions: 64 × 64 × 38 mm

Weight: 48 g

Color: White

Environment:

Indoor use only

Protection rating: IP20

Operating temperature: -20°C to +45°C

Operating humidity: 10–90% RH (non-condensing)

Internet Connectivity (Wi-Fi):

2.4 GHz Wi-Fi (802.11 b/g/n)

Security: WEP, WPA, WPA2 (personal)

Frequency: 2400–2495 MHz

Max. transmit power: 20 dBm

Range (free field): up to 100 m

Wireless Connectivity (Bluetooth):

Bluetooth LE 4.2 (setup)

Frequency: 2400–2483.5 MHz

Max. transmit power: 9 dBm

Range (free field): >10 m

Local Device Communication (RF)

Proprietary wireless protocol

Frequency: 868.65 MHz & 869.675 MHz

Encryption: AES-128

Max. transmit power: 14 dBm

Range (free field): >300 m

Offline Capabilities:

Alarm activation

Alarm operation via RF accessory (e.g. remote control)

Notification on internet connection loss (missing keep-alive)

User Interface

Green: Device online and active

Blue: Bluetooth pairing mode

Red: Startup or error condition

Power Supply & Consumption:

Power input: 5 VDC, 1 A

Connector: USB-C

Standby consumption: below EU 0.5 W regulation

Yearly energy consumption: < 5 kWh

Cyber Security:

ETSI EN 303 645 V2.1.1 compliant

OTA updates

Encrypted flash

Secure boot

e-fuses

TLS support

Certifications & Compliance:

CE

RoHS

ETSI EN

CE-RED Directive 2014/53/EU compliant

UKCA and REACH compliant

Manufacturer:

LiviSense ApS

Address: Viengevej 100, Risskov, DK-8240, Denmark

Manufactured in P.R.C.

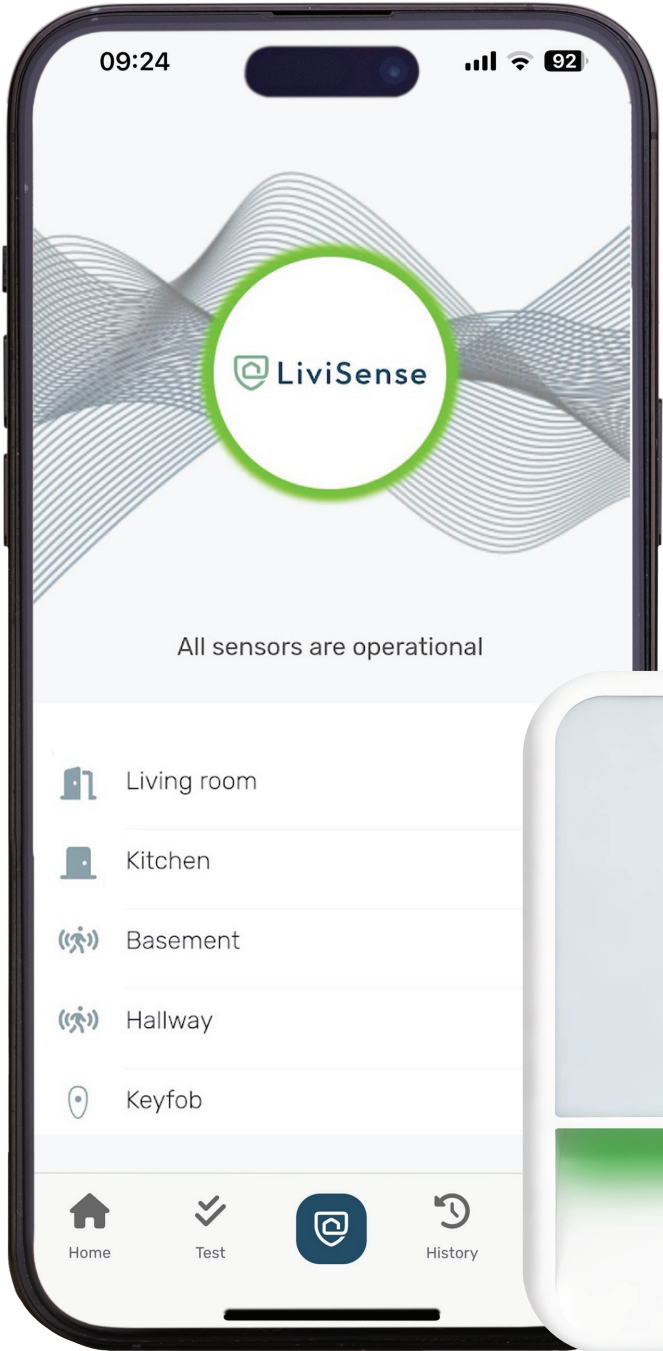


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