

## Master Locator

The **Kadex<sup>®</sup>** Master Locator provides the basic infrastructure for a Kadex system. The Master Locator is the interface between the wireless peripherals and the Kadex server for applications like;

- Alarming
- Living circles
- Wandering detection
- Indoor location determination
- Easy access control
- Time registration

The Master Locator is designed as a static device and should be ceiling mounted.

The accuracy of location determination is scalable up to room level. The location of people or objects will be updated real time. As a result, the running direction is known in addition to the current. Any incorrect measurements are corrected immediately. Kadex peripherals with BLE can be located, but none Kadex devices such as Android smartphones and 3th party tags can also be located over the Kadex Locator infrastructure.

The Master Locator has a potential free contact which can be connected to e.g. an electric lock. This contact is controlled by the Kadex Pro Server. and can be used for access control, wander detection and habitat circles.

Each Master Locator supports 8 simultaneous Bluetooth connections;

- 4x Slave Locator
- 4x Wireless lock (ask Kadex for compatible locks)

The data traffic between the locator and the Kadex Pro Server features a powerful AES encryption for maximum security.

The PoE power supply ensures quick and easy installation and emergency power.

Most software updates and upgrades can be installed remotely (FOTA) from the Kadex Pro Server, except for Bluetooth. The Kadex Pro Server automatically checks the product for correct operation.



### VARIATIONS

Master Locator	210307500
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### General Information

Housing	ABS
Colour	White
Weight	279 gram
Protection class	IP 20
Operation Frequency	868MHz 2.4 Ghz
Power supply	Power Over Ethernet (PoE) IEEE802.3af (44-54V DC) or 5VDC
Current consumption	<1 Watt
Supported gateways	All Kadex peripherals
Antennas	Integrated
Installation wire diameter	Max. 1.5 mm2
Interface	UDP based Ethernet 10BASE-T
Feedback	Buzzer & RGB LED
Output	Relay No/Nc, max 1A at 24V
Measurements	188 x 157 x 38 mm
Temperature range	
Operation	-10 °C up to 40 °C
Storage	-20 °C up to 70 °C

### CE conformity according to directive 2014/53/EU (RED)

Radio	EN 300 220-2 V3.2.1 EN 300 328 V2.2.2
EMC	EN 301 489-3:V2.1.1 EN 301 489-17:V3.2.4
Safety	EN 62368-1:2014 + A11:2017
Health	EN 62479:2010
Environment	RoHS (III) Directive 2015/863/EU

\* Valid for item

Scope of delivery:  
- Master Locator