kadex®

MASTER LOCATOR

The Master Locator acts as a medium between the LAN network, the Kadex directional 868MHz radio network & Bluetooth low energy devices.

The Master Locator communicates with Kadex supported transponders for applications like;
-Living Circels
- Wander detection
- Indoor track & trace
- Access control
- Time attendance

Because of the embedded Bluetooth Low Energy (BLE) module,
also non Kadex products, like mobile phone and tags, can be traced over the same Kadex Locator infrastructure.

The accuracy of location determination is scalable at Kadex to room level with corresponding floor.
The location of people or objects will be updated in real time.
As a result, the running direction is known in addition to the current location, and any incorrect measurements are corrected immediately.

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.
This can be used with access control, wander detection and living circles.

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

Due to the 10 / 100BASE-T Ethernet, the interface is suitable as a easy integration into an existing LAN environment.
The Master Locator is supplied with power via PoE so that it can be centrally supplied with emergency power.

The Master Locator must be mounted to the ceiling for optimal range.

From the Kadex Pro Server the product is automatically checked for correct functioning.
Software updates and upgrades are remotely installed, from the Kadex Pro Server.

Scope of delivery:
- Master Locator

MASTER LOCATOR VERSIONS

Article Number	Model
210307500	Master Locator 868 MHz + BLE

TECHNICAL DATA

Measurements	188 x 157 x 38 mm			
Housing	ABS			
Color	White (RAL 9016)	**Temperature**		
Weight	530 Grams	**Operational**	-10 °C up to 40 °C	
Protection Class	IP 20	**Storage**	-20 °C up to 70 °C	
Operating Frequency	868 MHz & 2.4Ghz	**Relative Air Humidity**	90% at 25 °C	
RF Transmitting Power	868 MHz; Max. 13 dBi (20mW)			
Voltage	Power over ethernet (PoE) IEEE802.3af(44-54V DC) 5Vdc	**Standard Conformity**		
		Radio Approval	EN300 220-1	
		EMC - R&TTE	EN301 489-3	
Usage	<1W (No extra connections)	**Safety**	EN 60950-1	
Antenna	Integrated	**Environment**	RoHS / WEEE	
Interface	Ethernet 10BASE-T based on UDP			
LED	3xRGB, network status indication			
Buzzer	Integrated			
Relay	No/Nc, max 3A at 24V			

Kadex remains the right to adjust the specification at any time without further anouncements.