SMARTLOCK

OVERVIEW

The Smartlock Access Management Solution controls access to mission critical equipment, housed in the access nodes of network infrastructure. The Bluetooth Smartkey is one of the main building blocks of this Solution. It uses Android® or iOS® based smartphones to operate any of the mechatronic locks in the Smartlock range. The Smartkey energises these locks with its internal battery, which is rechargeable.

The Bluetooth Smartkey manages all communication with the locks to authenticate the user and operate the system. The user interface is provided through an app, to proprietary software installed on a smartphone. Data communication to the software is provided by pairing the smartphone of the authorised user to the Smartkey via a Bluetooth® interface. Access requests are pre-authorised and downloaded to Smartkeys, uniquely assigned to users, via the smartphone.

The Bluetooth Smartkey captures all events in a log file and updates the management software of all activity and statuses via the smartphone. As a hardware protection feature, the Smartkey can be disabled at the central platform, should the need arise. In addition, users can be GPS located by the solution.

TECHNICAL INFORMATION

MATERIALS	
Body	ABS plastic
Metal parts	Stainless steel 304
ENVIRONMENTAL	
Operating Temperature	-10° C to 45° C
Water Ingress Protection	Splash proof
POWER SOURCE	1.5 Ah lithium-ion battery
COMMUNICATION	
Upstream (to mobile phone)	Bluetooth (Low Energy)
Upstream (to software)	Standard encrypted mobile network comms
Downstream (to lock)	Proprietary comms via probe antenna
MOBILE OPERATING SYSTEM	Android or iOS
MASS	120g
EXTERNAL DIMENSIONS	60mm x 26mm x 113mm (various antenna lengths available)
WARRANTY	24 months on material and workmanship
SOFTWARE	Smartlock Access Management, SaaS
INTERNAL MEMORY	Storage of 100x access rights and related data
COMPATIBLE SYSTEMS	Monitoring of internal environment of access nodes (via IoT)
OPTIONS AND ACCESSORIES	• Various antenna lengths (43mm, 70mm, 150mm) • Carry case kit, including charger

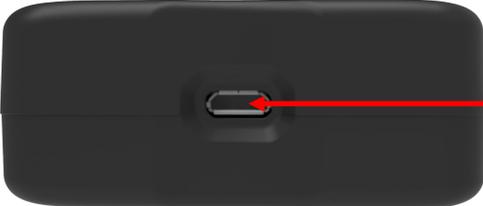LR CERTIFIED ISO 9001

Components

Smartkey Antenna Lenghts:
43mm Antenna (Shown)
70mm Antenna
150mm Antenna

ABS plastic housing

Lock/Unlock button

LED indicator

USB Charging port

Technical

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