KRUPP
TECHNOLOGY



SMART LOCK
KT181-SL

CREATIVE INNOVATION FOR
TRACKING INTERMODAL CONTAINERS
AND CONVEYANCES

KRUPP TECHNOLOGY
SOFTWARE PLATFORM

FLEET MONITORING
MANAGEMENT SOLUTIONS

CONTAINER MONITORING
MANAGEMENT SOLUTIONS



SMART LOCK KT181-SL

The ideal container tracking and monitoring solution for your cargo

OVERVIEW:

Smart Lock KT181-SL is a creative innovation for tracking intermodal containers and conveyances using active RFID, GPRS, GPS.

More than just a simplistic inspection system, Smart Lock KT181-SL provides security-tampering sensor. Smart Lock KT181-SL enables shippers, carriers and logistics service providers to actively monitor the security and integrity of shipments as their containers move throughout the global supply chain.

Smart Lock KT181-SL periodically reports security and environmental status via GSM infrastructure to a hosted web-base supply chain security and location visibility system.

KEY FEATURES:

- Reusable cable locking mechanism.
- Strong magnetic applications make it easy to attach to steel containers and avoid vibration.
- GPS and GSM chips are embedded for location and communication capabilities.
- Powered by rechargeable lithium batteries which are capable of lasting up to 20 days.
- Material: Engineer plastic (anti-collision).
- Supports 9 alarms: steel string cut, swipe RFID tag, vibration, destroy, wrong password, low battery with anti-false alarm algorithm.
- Device can be reused many times, can be unlocked by magnetio card on-site or unlocked remotely at center over the network.

SMART LOCK KT181-SL

MAIN SPECIFICATIONS

Model Number	Smart Lock KT181-SL	GPS Tracking
Physical	L x W x D Standard Cable Length Weight Color	195mm x 114mm x 37mm 300mm 1113 gram Black
GSM/GPRS	Bands SIM	GSM/GPRS/EDGE Quad Band (850/900/1800/1900 MHz, LTE) Dual-SIM slots (Primary & Secondary)
GPS	Channel Antenna Tracking Sensitivity Location accuracy Velocity accuracy	56 Optional Extended Ephemeris A-GPS Built-In GPS Patch Antenna -160 dBm 2,5 meter (CEP) 0.1 m/s
Accelerometer	Type Accuracy	3-Axis, 20 mg accuracy, up to 8g ± 2.5%
Electrical	Battery Active Current Drain Inactive Current Drain Indicator	Lithium-Ion (Built-in, Rechargeable) 3.7V, 15000 mAh 240mA 0.3mA Battery capacity with up to 7 days with 1 report per 0.5 minutes or 20 days with 1 report per 5 minutes 4 LED status (GPS, GSM/GPRS, Battery Charging, Low Battery), 1 piezo buzzer
Cable	Break Load	100kg
COMM Port	Type	01 Port RS232, 01 Micro USB
Environmental	Operating Temperature Storage Temperature Humidity Weatherproofing	-20°C to +60°C -40°C to +80°C 95% non condensing IP67

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