Manuals+ — User Manuals Simplified.

KYUNGWOO SMK-DWS-30 Smart Key Fob User Manual

Contents

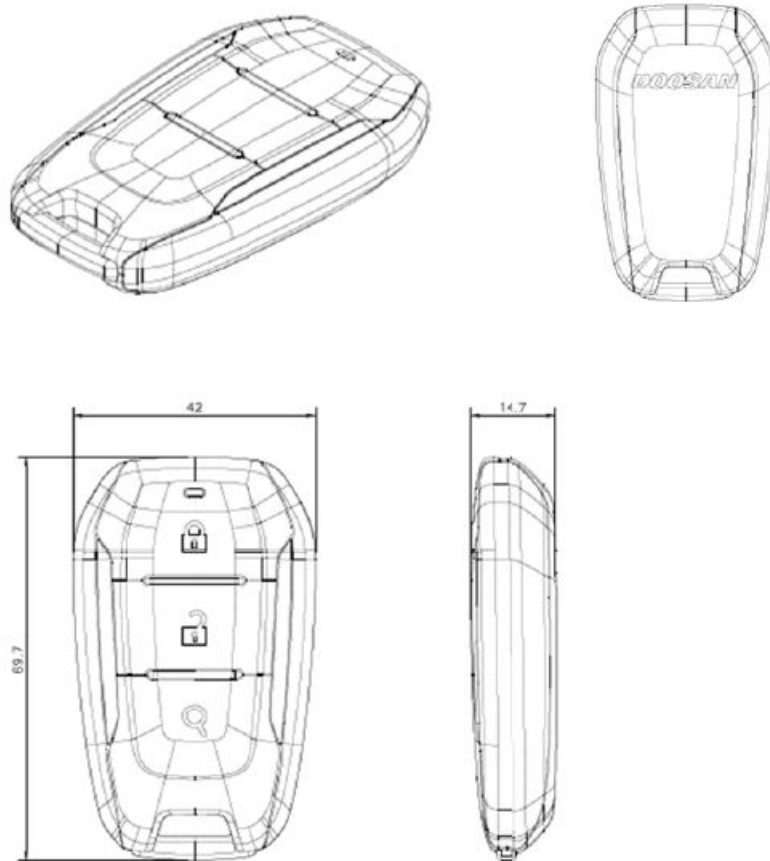**KYUNGWOO SMK-DWS-30 Smart Key Fob**

Synopsis

This document is the specifically-written manual for the receiver and transmitter (SMART KEY FOB) of wireless communication, which is to confirm user identifications under the engine-start limiting function in heavy equipment. SMART KEY FOB is defined as follows: it receives signals with RFID 133 KHz and wakes up. After then, it transmits password-secured information to SMART KEY CONTROLLER by using 433.92MHz Wireless signals.

WARNING
Exchanging batteries in an incorrect way, It may cause an explosion Discard used batteries according to the manufacturer's instructions
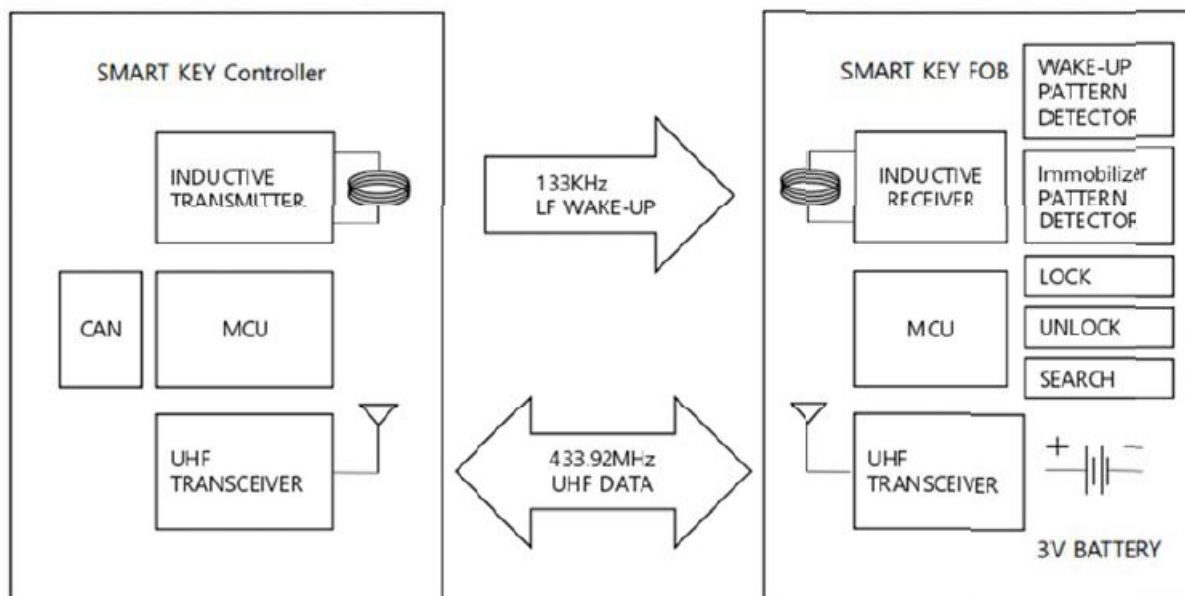
Product Image

External Appearance

Certification LABEL location

SMART KEY FOB
·INPUT : DC 3V ⎓ 15mA(Max)
·P/N : 300711-00420
FCC ID : ZE8-SMK-DWS-30
R-C-KWO-SMK-DWS-30
CE ⓚ ⓒ 해당 무선 설비는 운용 중
전파 혼신 가능성이 있음
KYUNGWOO SYSTECH, INC. / KOREA

Block Diagram

SMART KEY Controller

INDUCTIVE TRANSMITTER

CAN   MCU

UHF TRANSCEIVER

133KHz LF WAKE-UP

433.92MHz UHF DATA

SMART KEY FOB

WAKE-UP PATTERN DETECTOR

Immobilizer PATTERN DETECTOR

INDUCTIVE RECEIVER

LOCK

UNLOCK

MCU

SEARCH

UHF TRANSCEIVER

3V BATTERY

Specification

Operating Specification

Must wake up the remote control by providing electricity with RFID 133 KHz.

- Must be operating with a CR2032 battery.
- Must be able to transfer password-secured signals.
- Must be able to use Single channels band of 433.92MHz.

Power Specification

3V d.c. (CR 2032 Lithium Battery)
Notice :
Inserting opposite polarity of the battery may cause an explosion or damage to the product (Please match battery polarity with battery holder)

General Specification

Storage Temperature: -30 C 80'C

- Operating Temperature:-200 60′
- Wireless Tested Temperature: -20C 60'C
- Water-Proof Specification: IP54 (Living Water-Proof)
- Material of Device: PC (Material: 1220, Flame Class: V2, Manufacturer: Lotte Chemical)
- PC&ABS (Substance LUPOY GN-5001RF BLACK, Flame Class VO,
- Manufacturer: LG CHEMICAL)
- TPE (Material: TC5MGA-$340)
- ZNP (Materia: öt301 DC2, Manufacturer : 95)

PCB Material

object/part No.	manufactur r/ tradema rk	Layer /Thickness	Flame Class	standard	mark(s) of conf ormity1)
SMK TAG B/D PCB	JM ELECTRONI S CO LTD	2Layer /0.8T	V-0	UL 796	

RF Specification

Item		Specification
Wireless Data Communication System	**Frequency**	433.92MHz (Single Channel)
	RF Power	Under 1 mW
	Modulation Method	GFSK
	Tested Temperature	-20℃ ~ +60℃
Magnetic Induction System	**Frequency**	133KHz (Single Channel)
	RF Power	Receive O ly
	Modulation Method	ASK

Product label Explanation of graphic svmbols used

Symbol	Description
	Korea Certification Marking
	Communaute Europeenne Marking
	Electrical waste and electronics equipment
	Direct current

Postal address:
Kyungwoo Systech Inc. Office: +82-2-985-8085
#401, Daeryung Post Tower 5, 68, Digital-ro 9, Geumcheon-gu, Seoul, South Korea E-mail:
Webmaster@kyungwoo.com

This equipment is not suitable for use in locations where children are likely to be present.

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation. Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RED Compliance Statement
This product is CE marked according to the provision of the RED (2014/53/EU). Hereby Kyungwoo SystechInc. declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU

Documents / Resources

KYUNGWOO SMK-DWS-30 Smart Key Fob [pdf] User Manual
SMK-DWS-30, SMKDWS30, ZE8-SMK-DWS-30, ZE8SMKDWS30, SMK-DWS-30 Smart Key Fob, Smart Key Fob, Key Fob

References

- 🌐 **Web hosting, domain name registration and web services by 1&1 Internet**
- Ⓦ **WooCommerce - Sell Online With The eCommerce Platform for WordPress**