

KCEDZS

USER MANUAL



USER MANUAL FOR KCEDZS

TABLE OF CONTENTS

USER MANUAL FOR KCEDZS	1
1 APPROVALS AND VERSION HISTORY	2
2 GENERAL.....	3
2.1 Device description	3
2.2 Power and environmental ratings of the device	3
3 INSTALLATION AND USE	4
4 FCC/IC REGULATORY NOTICE	6
5 2014/53/EU DIRECTIVE REGULATORY NOTICE.....	8

1 APPROVALS AND VERSION HISTORY

Compiled by: Chief Design Engineer, Electronics, Kuisma Valkeapää

Checked by: Expert, Electrification, Marko Turkkila

Approved by: Category Manager, Jukka Korpela

Translation approved by: /

Issue	Date	Description of Change	Ref CR	Approved By
-	2021-11-24	First issue		

2 GENERAL

2.1 Device description

KCEDZS is 13.56MHz RFID radio device used for monitoring the location of the elevator car in elevator shaft.

2.2 Safety information

No electrical safety information and warnings are needed as the electrical operating voltage of the radio equipment is lower than safety voltage.

To comply with human exposure requirements the equipment must be installed and operated with a minimum distance of 200 mm of the human body.

2.3 Power and environmental ratings of the device

KCEDZS is powered by KONE KCE electrification.

- Input voltage: 24VDC (9-32VDC.)
- Input current: Max 180mA
- IP protection class: IP33
- Operation temperature range: -20 - +65 °C
- Transmitter maximum conducted output power: 100mW (at 13.56 MHz)

3 INSTALLATION AND USE

KCEDZS will be installed and used in restricted access area (elevator shaft) only by KONE maintenance users according to KONE installation manuals. The product is not intended to be used by ordinary persons.

- KCEDZS shall only be used as part of elevator.
- Only KONE maintenance users have access to the device.
- KCEDZS shall only be used with the provided cabling.
- KCEDZS shall only be used with internal antenna.
- KCEDZS shall be supplied with PELV/SELV voltage from another KONE device.
- KCEDZS is not to be connected to DC mains power distribution systems, but only to a dedicated DC power source.
- KCEDZS shall be installed by instructed person only (KONE maintenance users).
- KCEDZS shall be installed in a restricted access area.

KONE installation instructions for KCEDZS:

- AM-01.01.788 Installation instruction: Machine-room-less elevators installation
- AM-01.01.277 Installation instruction: Kone Monospace 300 and Kone Monospace 500
- SO-10.65.006 KCE Elevator car positioning system

The KCEDZS is automatically controlled by KONE KCE control system. It has following status indicators for maintenance user.



LED	Color
24V OK	Green
CHANGE BOARD	Red
TTS1-BUS ERROR	Yellow
TTS2-BUS ERROR	Yellow
61=U	Yellow
61=N	Yellow
77=U	Yellow
77=N	Yellow



LED	Color
24V OK	Green
CB	Red
TTS1 ERROR	Yellow
TTS2 ERROR	Yellow
77:U	Yellow
61:N	Yellow
61:U	Yellow
77:N	Yellow

4 FCC/IC REGULATORY NOTICE

Modification Statement

KONE Corporation has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

KONE Corporation n'approuve aucune modification apportée à l'appareil par l'utilisateur, quelle qu'en soit la nature. Tout changement ou modification peuvent annuler le droit d'utilisation de l'appareil par l'utilisateur.

Interference Statement

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s).

FCC Rules

Operation is subject to following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie

Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure Statement

This device complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Le présent appareil est conforme à l'exposition aux radiations FCC / IC définies pour un environnement non contrôlé et répond aux directives d'exposition de la fréquence de la FCC radiofréquence (RF) dans le Supplément C à OET65 et RSS-102 de la fréquence radio (RF) IC règles d'exposition. L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec à autre antenne ou autre émetteur.

FCC Class B Digital Device Notice

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAN ICES-3 (B) / NMB-3 (B)

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.

RF exposure safety

To comply with the measured SAR value/SAR testing exclusion, the equipment must be installed and operated with a minimum distance of 200 mm of the human body.

Cet équipement doit être installé et utilisé en maintenant une distance minimale de 20 cm entre la source de rayonnement et votre corps. Cet émetteur ne doit pas être placé à proximité d'une autre antenne ou d'un autre émetteur ou être utilisé en combinaison avec n'importe quelle autre antenne ou émetteur.

5 2014/53/EU DIRECTIVE REGULATORY NOTICE

This device is in conformity with the essential requirements of the 2014/53/EU Directive.

Bulgarian	С настоящето KONE Corporation декларира, че KCEDZS отговаря на съществените изисквания и другите приложими изисквания на Директива 2014/53/EU.
Croatian	Ovime KONE Corporation, izjavljuje da je ovaj KCEDZS je u skladu s osnovnim zahtjevima i drugim relevantnim odredbama Direktive 2014/53/EU .
Czech	KONE Corporation tímto prohlašuje, že tento KCEDZS je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 2014/53/EU.
Danish	Undertegnede KONE Corporation erklærer herved, at følgende udstyr KCEDZS overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU.
Dutch	Hierbij verklaart KONE Corporation dat het toestel KCEDZS in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EU.
English	Hereby, KONE Corporation declares that the radio equipment type KCEDZS is in compliance with Directive 2014/53/EU.
Estonian	Käesolevaga kinnitab KONE Corporation seadme KCEDZS vastavust direktiivi 2014/53/EU põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
German	Hiermit erklärt KONE Corporation, dass sich das Gerät KCEDZS in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/53/EU befindet.
Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ KONE Corporation ΔΗΛΩΝΕΙ ΟΤΙ KCEDZS ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU.
Hungarian	Alulírott, KONE Corporation nyilatkozom, hogy a KCEDZS megfelel a vonatkozó alapvető követelményeknek és az 2014/53/EU irányelv egyéb előírásainak.
Finnish	KONE Corporation vakuuttaa täten että KCEDZS tyyppinen laite on direktiivin 2014/53/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
French	Par la présente KONE Corporation déclare que l'appareil KCEDZS est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU .
Icelandic	Hér með lýsir KONE Corporation yfir því að KCEDZS er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EU .
Italian	Con la presente KONE Corporation dichiara che questo

	KCEDZS è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/EU .
Latvian	Ar šo KONE Corporation deklarē, ka KCEDZS atbilst Direktīvas 2014/53/EU būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lithuanian	Šiuo KONE Corporation deklaruoja, kad šis KCEDZS atitinka esminius reikalavimus ir kitas 2014/53/EU Direktyvos nuostatas.
Maltese	Hawnhekk, KONE Corporation, jiddikjara li dan KCEDZS jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Direttiva 2014/53/EU .
Norwegian	KONE Corporation erklærer herved at utstyret KCEDZS er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/53/EU.
Polish	Niniejszym KONE Corporation oświadcza, że KCEDZS jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 2014/53/EU .
Portuguese	KONE Corporation declara que este KCEDZS está conforme com os requisitos essenciais e outras disposições da Directiva 2014/53/EU .
Slovak	KONE Corporation týmto vyhlasuje, že KCEDZS spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 2014/53/EU.
Slovenian	KONE Corporation izjavlja, da je ta KCEDZS v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 2014/53/EU.
Spanish	Por medio de la presente KONE Corporation declara que el KCEDZS cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/53/EU .
Swedish	Härmed intygar KONE Corporation att denna KCEDZS står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:
<http://support.kone.com>

In order to satisfy the essential requirements of 2014/53/EU Directive, the product is compliant with the following standards:

RF spectrum use (RED art. 3.2)	EN 300 330 V2.1.1
EMC (RED art. 3.1b)	EN 301 489-1 V2.2.3 Draft EN 301 489-3 V2.1.1 EN 12015:2014 EN 12016:2013
Health & Safety (RED art. 3.1a)	EN 62368-1:2014 + AC:2015 + A11:2017 EN 62311:2008
RoHS (2011/65/EU)	Directive 2011/65/EU

There is no restrictions on putting into service or of requirements for authorisation of use within a Member State of the European Union