



KONE KSP 1028 Destination Operating Panel with an Advanced Touch Screen User Manual

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KONE KSP 1028 Destination Operating Panel with an Advanced Touch Screen



APPROVALS AND VERSION HISTORY

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- **Approved by:** Lassi Ylä-Soininmäki
- **Translation approved by:**

| Issue | Date | Description of Change | Ref CR | Approved By |
|-------|------------|-----------------------|--------|-------------|
| - | 2021-10-20 | First issue | | |

GENERAL

Device description

- KSP 1068 and KSP 1028 are Destination Operation Panels (DOP) used to make lift calls and identify users by Access radio.
- Destination devices are part of the KONE Destination 1020 solution.
- Destination Operation Panels have built-in Access radio modules.
- There is a possibility for two (2) separate access control modules to include separate RFID technologies and Low energy Bluetooth (BLE) to allow user access control.

Access radio technologies are:

- Low Frequency (LF) RFID 125kHz,
- High Frequency (HF) RFID 13,56MHz, Transmitter maximum conducted output power: 100mW
- Low energy Bluetooth (BLE) 2400- 2483.5 MHz,

Access radio parts transfer access request information for the D1020 system. A radar or infrared proximity sensor can be used to wake up DOP from sleep mode. Radar radio frequencies are between 24.150 – 24.250 GHz.

Note: Radar is disabled in certain countries outside the EU where it is not allowed.

Destination Operation Panel includes radio modules

- Radar module: FCC ID: UXS-SMR3X3, IC: 6902A-SMR3X3
- KSP Access module: FCC ID: 2ALQBOFACCL, IC: 4228A-OFACCL
- HID module FCC ID: JQ6-OK5127CKMINI, IC: 2236B-OK5127MINI

Safety information

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

Power and environmental ratings of the device

DOP is using Power over Ethernet (PoE+) as the main communication and powering interface. DOP is following IEEE 802.3at PoE+ standard (25W PD).

- **Input voltage:** 48 VDC
- **Input power:** Max 25W (KSP 1068)
- **Input power:** Max 14W (KSP 1028)

HID

- **RFID Transmitter maximum conducted output power:** 19 mW (at 125 kHz)
- **RFID Transmitter maximum radiated output power:** 0.05 mW (EIRP at 13.56 MHz)
- **BT Transmitter maximum conducted output power:** 2.4 mW (at 2400 MHz to 2483,5 MHz)

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- **Transmitter maximum conducted output power:** 345 mW (at 13.56 MHz)
- **Transmitter maximum conducted output power:** 4 dBm (at 2400 MHz to 2483.5 MHz)

Radar

- **Transmitter maximum radiated output power:** <20 dBm (EIRP) (at 24.150 – 24.250 GHz)
- **IP protection class:** IP21
- **Operation temperature range:** -10 – +55 °C
- Humidity 10 to 90% relative humidity, non-condensing

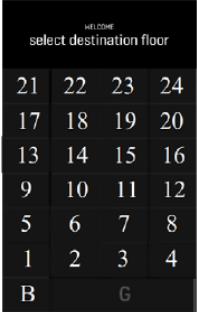
Destination Operation Panel (DOP) is powered by and only designated Power over Ethernet equipment. No other power supply is allowed. The accessory module is powered by and only designated host equipment. No other host equipment is allowed.

INSTALLATION AND USE

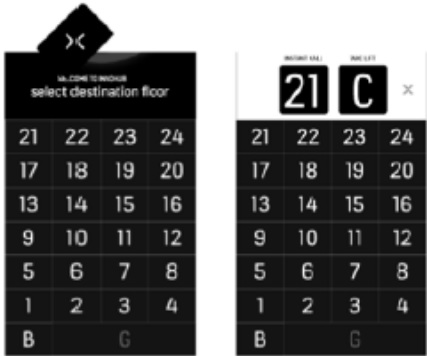
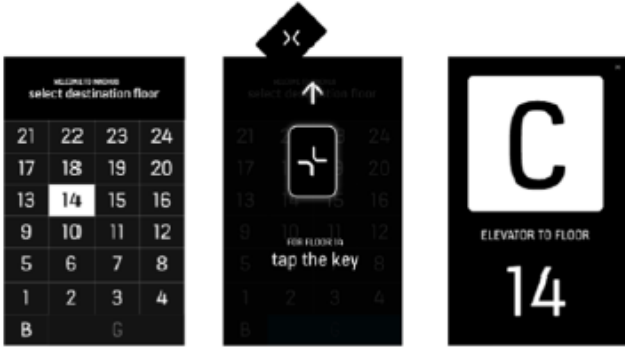
Destination Operation Panel must be installed by KONE instructed person. Installation instructions are described in the Installation manual AM-12.20.040 “Installing KONE Destination Signalization”.

Use of Destination Operation Panel DOP

Basic operation:

| Call type | Description |
|------------------------------|--|
| Destination floor selection: | Select destination floor. <div></div> |

Access card use:

| Call type | Description |
|---------------------|---|
| Direct call | Short card swipe at DOP gives a direct call to “favorite” floor upon access verification. <div> 62a151a0</div> |
| Reverse call giving | Select destination on DOP and then show card at DOP. <div> da370a42</div> |

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.

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 the 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.

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.

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 at a minimum distance of 200 mm from the human body.


2014/53/EU DIRECTIVE REGULATORY NOTICE

This device is in conformity with the essential requirements of the 2014/53/EU Directive. Hereby, KONE Corporation declares that the radio equipment type KSP 1068 -H, KSP 1068 -L, KSP 1028 -H, and KSP 1028 -L is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://support.kone.com>.

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|------------------------------------|--|
| RF spectrum use (RED art. 3.2) | EN 300 328 V2.2.2 EN 300 330 v.2.1.1 EN 300 440 V2.1.1 |
| EMC (RED art. 3.1b) | EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1 EN 301 489-17 V3.2.4 EN 12015:2014 EN 12016:2013 |
| Health & Safety (RED art. 3.1a) | EN 62368-1:2014 + AC:2015 + AC:2017 + A11:2017 EN 62311:2008 |
| RoHS (2011/65/EU) | Directive 2011/65/EU |

There are no restrictions on putting into service or requirements for authorization of use within a Member State of the European Union.

Documents / Resources

| | |
|--|---|
|  | KONE KSP 1028 Destination Operating Panel with an Advanced Touch Screen [pdf] User Manual OFACCL, 2ALQBOFACCL, KSP 1028 Destination Operating Panel with an Advanced Touch Screen, KSP 1028, KSP 1068, Destination Operating Panel with an Advanced Touch Screen |
|--|---|

References

- [KONE - Improving the Flow of Urban Life](#)