KONE MIG110-40-48OK Escalator Pulse Encoder RTV RSV RTE EJV Escalator Speedometer User Manual

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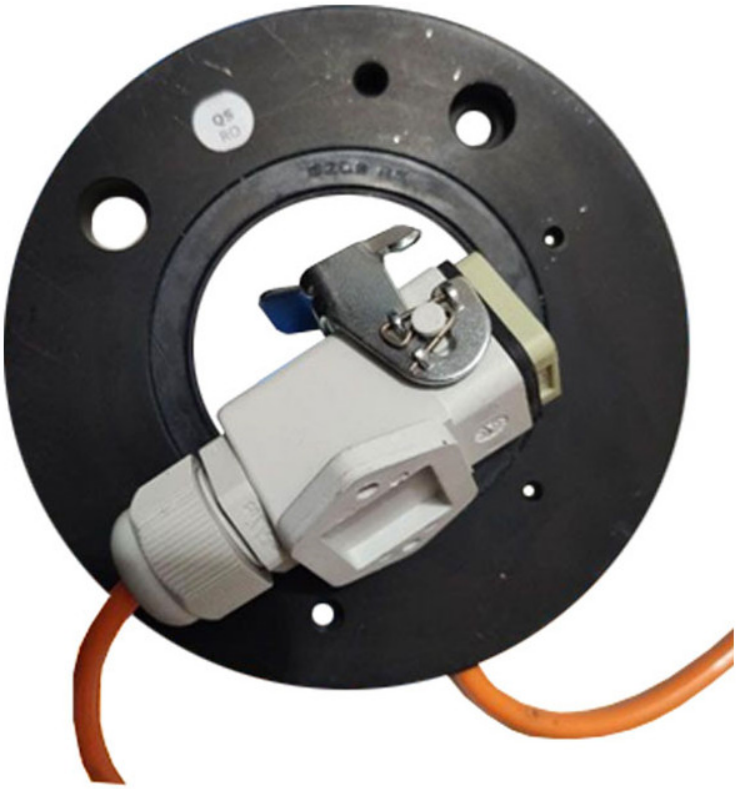

Contents

APPROVALS AND VERSION HISTORY

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Translation approved by: /

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

GENERAL

2.1 Device description
PULSE is a radio device used for transmitting elevator or escalator condition monitoring data through a radio link to the database. Pulse incorporates a Wirepas (BLE) radio transmitter operating at a frequency range of 2400 – 2483.5 MHz
2.2 Safety information
No electrical safety information and warnings are needed as the electrical operating voltage of the radio equipment is lower than the safety voltage.
To comply with human exposure requirements the equipment must be installed and operated at a minimum distance of 200 mm from the human body.
2.3 Power and environmental ratings of the device
PULSE has tree powering options:

- 9 – 32 VDC input from YABB330.
- 5 VDC from a USB connection to Kone Connection 220
- 2 x 1.5VDC AA internal alkaline or lithium batteries

NOTE. Batteries may never be connected to PULSE when any other power source is used to supply power.
PULSE environmental ratings and transmitter output power:

- IP protection class: IP55
- Transmitter maximum conducted output power: 10mW

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

- PULSE shall only be used with the provided cabling that is not longer than 3 meters.

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

KONE installation instructions for PULSE:

- AS-13.25.019-AP2 KONE LIFT SENSE INSTALLATION AND MAINTENANCE

The PULSE device is automatically configured when connected to KONE Connection 120/220 with a USB cable. PULSE enclosure doesn't have any external user interfaces or
indicators.

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 numerique de classe B est conforme a 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 PULSE 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**.
In order to satisfy the essential requirements of the 2014/53/EU Directive, the product is compliant with the following standards:

RF spectrum use (RED art. 3.2)	EN 300 328 V2.2.2
EMC (RED art. 3.1b)	EN 301 489-1 V2.2.3 Draft EN 301 489-17 V3.2.2 EN 12015:2014 EN 12016:2013
Health & Safety (RED art. 3.1a)	EN 62368-1:2014 + AC:2015 + A11:2 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

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(-) 2021-11-11

Documents / Resources

	KONE MIG110-40-48OK Escalator Pulse Encoder RTV RSV RTE EJV Escalator Speedometer [pdf] User Manual PULSE, 2ALQBPULSE, MIG110-40-48OK Escalator Pulse Encoder RTV RSV RTE EJV Escalator Speedometer, MIG110-40-48OK, Escalator Pulse Encoder RTV RSV RTE EJV Escalator Speedometer

References

- KONE - Improving the Flow of Urban Life