

EC II FLEX DUO: AN UPDATED VERSION OF THE RELIABLE LIFT EMERGENCY PHONE EC II FLEX



The EC II Flex Duo complies with the new EN81:28 2018 and has new features for an even better operating reliability

Keeps your elevators safe

EC II Flex Duo is an emergency alarm system designed with focus on safety and high operating reliability. The phone is made of vandalism-proof stainless steel and has safety screws. Mounting to the elevator car is easy, and you can choose from several mounting options: in front of/behind operating panel, with/without frame, with/without alarm button. More speech units can be connected in the pit and above/below the car - hence, offering a flexible solution.

The Duo is an updated version of the EC II Flex with similar appearance but multiple added features that allows for self-testing, power supply redundancy, hard- and software improvements, pictogram, and relay outputs, as well as improved audio quality for all pre-recorded messages. Another update is the unified software which opens up all software options to all customers.

NEW FEATURES

- Certified with EN81:28 2018 standard.
- Updated audio software for all pre-recorded messages.
- 2 programmable relays.
- Pictogram output.
- Button self-test.
- Unified software.

How does EC II Flex Duo work?

The emergency phone is equipped with a built-in speaker, microphone, LED indicators, and input/outputs. It can be connected with a number of external devices, including intercom, loop amplifier, emergency power supply, Gateway etc. When adding a Gateway, a wireless telephone communication is created, enabling EC II Flex Duo to send alarms via the mobile network.

When a passenger in an emergency presses the alarm button, the system automatically calls a pre-defined phone number. Bidirectional communication allows the person receiving the alarm to call the elevator and talk with the passenger. You can choose whether you wish for a pre-recorded voice message to be played inside the car, in order to calm passengers in an emergency. If desired, you may also send a pre-recorded voice message to the alarm receiver with information regarding which elevator the alarm is from.

Test alarm can be carried out with automatic self-diagnosis and line testing. With the Duo's new self-testing feature, the button is automatically tested and in case of a negative result, a technical alarm is sent to the alarm receiver.

The emergency phone is powered via the phone line or via the unit's 12-24 V DC input- giving a power supply redundancy that ensures operation even under a power blackout.

Programming is easily done via a built-in keyboard, or remotely via standard telephone, Windows application Flex programmer, or the dedicated smartphone app. The elevator phone has a programmable input that can be used for e.g. an extra alarm button, technical alarm for the elevator controller, or filtration signals. It also has 2 programmable relay outputs that can be used for e.g. external pictograms, mechanical alarm button self test and/or elevator restart.

PORTS

Alarm 1: Input for alarm button (Normally Open / Normally Closed)

Alarm 2: Extra alarm input for additional alarm buttons, technical alarm, filtration, alarm acknowledgement, etc.

Loop amp: Output for loop amplifier.

Phone: Connection to PSTN or gateway.

AUX: For speech units.

DC: Input for external power supply.

2 Digital outputs: Isolated relays for external equipment e.g. pictogram, mechanical self test, elevator restart.

TECHNICAL SPECIFICATION

Size: 140x126x25 mm (ECII Flex Duo), 100x90x19 mm (ECII Flex Duo Cop), 195x126x25 mm (ECII Flex Duo Albu).

Weight: 235 g (ECII Flex Duo), 200 g (ECII Flex Duo Cop), 325 g (ECII Flex Duo Albu).

Enclosure: 1.5 mm stainless steel (ECII Flex Duo), 1.0 mm AluZinc (ECII Flex Duo Cop), 1.5 mm stainless steel (ECII Flex Duo Albu).

Working temp.: +5°C to +40°C.

Humidity: 30% to 90%.

Indications: Sound, yellow and green LEDs and pictograms.

Alarm inputs: Three inputs, with individual acknowledge mode, alarm function, alarm code, alarm receiver and protocol.

Microphones: Up to two external microphones with a built-in alarm button can be connected.

Power: Powered via 12-24 VDC port, but can also be powered via telephone line.

Loop amplifier: Connection to loop amplifier.

Programming: Built-in keyboard, standard DTMF telephone, flex programming app, via computer software and modem.

Alarm protocol: CPC, P100, P100 Extended.

Tone signals: DTMF.

Voice messages: Up to 2 different 16-second-long voice messages to be played on various occasions.

Speech exchange: Duplex or simplex.

Test alarm: Once a day to once every third day (configurable).

Alarm receiver: Contact your distributor for information on existing alarm call centers that can receive the alarm protocol. All phones with tone selection (the buttons * and #) can receive the alarms. NOTE! FAR (Fältcom Alarm Receiver) G4 is specially designed to receive alarms from EC II Flex Duo elevator phones.

End-of-alarm: Via magnet alarm button, key switch, alarm button pulse sequence, or remotely. Sets up call to alarm receiver.