

## 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 allow 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.