

Description

ergo-X is Ksenia's BUS keypad with mechanical keys that can be installed both indoors and outdoors.

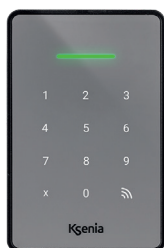
The IP65 protection rating guarantees resistance to all weather conditions, while the robustness of the materials used in its construction ensures IK09 vandal-proof protection and high resistance to tampering.

ergo-X stands out for its unmistakable design, with mechanical membrane keys that are hidden when the keypad is at rest and become visible when you simply move your hand closer, thanks to a built-in proximity sensor.

The keypad also has an RFID reader for reading Ksenia Mini Tags, which can replace the user PIN code or be used to perform specific actions on the system simply by bringing them close to the reader.



KSI2100031.302 - ergo-X black



KSI2100031.303 - ergo-X grey

The ergo-X keypad can emit an audible signal during entry and exit delays.

The control panel detects tampering attempts via the tamper switch located on the back of the keypad. It can handle tamper events by triggering scenarios and sending notifications — for disappearance, tamper detection, and restoration — to both the user and the installer.

The keypad includes two terminals that can be configured either as inputs with end-of-line resistors or as Open Collector outputs, each supporting up to 500 mA.

The ergo-X is equipped with a multicolor RGB LED that provides visual feedback on the system status, using different colors to indicate the arming state (total, partial, or disarmed), and, if configured, any active or stored alarms.

Technical Specifications

Power supply:	13.8 VDC
Current consumption:	Max 200 mA
Technology:	Mechanical membrane keypad
Proximity reader:	RFID technology – 13.56 MHz
Backlighting:	Automatic
Status indication:	Multicolor RGB LED
Buzzer:	Multi-tone feedback for actions
Tamper protection:	Anti-removal tamper
I/O terminals:	2 terminals configurable as Input/Output (Open Collector, max 500 mA each)
Protection rating:	IP65 (according to EN 60529:1991 /A1:2000 /A2:2013)
Vandal resistance rating:	IK09 (according to EN 62262:2002)
Operating temperature:	-25°C to +55°C
Mounting:	Wall-mount bracket + 2 m unshielded cable (8x0.22 mm²)
Dimensions:	72 x 113 x 20.5 mm (W x H x D)
Color:	Black, grey

Why ergo-X

- It combines soft-touch design with the functionality of a mechanical keypad;
- it has a sophisticated aesthetic, highlighted by the dark front effect, whereby when in standby mode, the screen appears to be completely off, but when you move your hand closer, it turns on and the buttons appear. It is available in two colours: black and grey;
- it has a “tag & code” function which, when a partition is inserted, requires double authentication with Mini Tag and PIN in order to execute scenarios.

Advantages for the installer

- It has an RGB LED that displays the system status, showing whether it is armed (green LED) or disarmed (red LED) or partially armed (blue LED). Three other colours (cyan, magenta and white) can be customised to display the types of arming mode present;
- it provides two I/O terminals that can be configured as inputs/outputs;
- the keypad can be connected to the intro module for more advanced access control functions.

Keypad overview



Legend

1. Multicolor RGB LED to indicate the system status, using different colors to represent the arming condition and, if configured, any active or stored alarms.
2. Numeric keypad with keys 1 to 9 and an "X" key to clear entered digits in case of input errors.
3. RFID reading area for authentication via TAG key.

System maximum configuration

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of user interfaces on BUS	3	6	24	24	40	64

How to order

KSI2100031.302 - ergo-X black
 KSI2100031.303 - ergo-X grey
 KSI2100031.312 - ergo-X black with 15 m cable

Accessories



KSI2100032.302 - Kit for mounting on 60 mm round box for ergo-X



KSI7600003.000 - Mini Tag-D with DESFire® technology



KSI7600000.000 - Mini Tag-M with MIFare® technology

Certifications

Europe CE, RoHS
 IMQ: EN 60529:1991 / A1:2000 / A2:2013 (IP65)
 EN 62262:2002 (IK09)
 EN 50131-3:2009 - Class IV
 EN 50131-1:2006 + A1:2009 + A2:2017 + A3:2020
 INCERT: T031: 2017 + A1:2018 + A2:2022
 SBSC: SSF 1014 - utgåva 6 - Larmklass 3



D-Q2T-0021



Technical specification, appearance, functional and other product characteristics may change without notice.