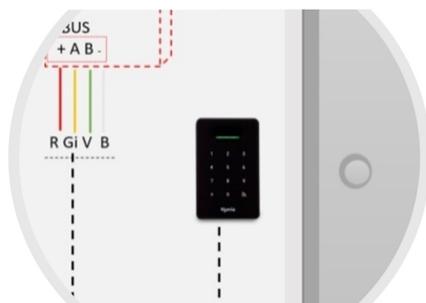




KS12100031.302 - ergo-X black  
KS12100031.303 - ergo-X grey

### Why ergo-X

- because from the design up to the final product, Ksenia has fully developed the ergo-X keypad in Italy, in line with the minimalist and simple design of all its products, combining technology and innovation;
- because it allows you to run any programmed scenario of Ksenia Security system, using numeric keys (keypad function) and recognizing your mini-tags (proximity reader function);
- because it is protected against sabotage attempts;
- because incorrect PIN code blocks the keypad after the third wrong attempt;
- because you can recognize the status of the system from the color that the LED takes;
- because it provides a useful feedback beep on keypress for all operations;
- because it provides two programmable inputs/outputs;
- because the wall mounting operation is really easy and fast;
- because the protection degree IP65 of the keypad case allows outdoors installation and does not require additional protection.



### COMPLIANCE

Europe - Rohs, CE  
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  
T031: 2017 + A1:2018 + A2:2022



### Description and functionalities

**ergo-X** keypad is an access control user interface connected to and power supplied by the BUS of lares 4.0 control panel.

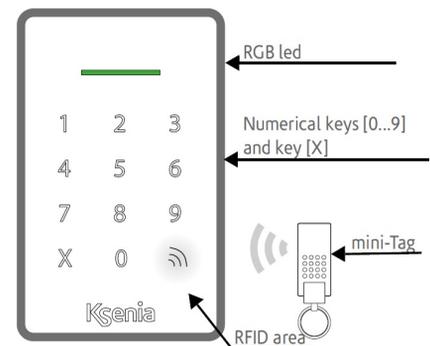
**ergo-X** keypad allows the user to run any type of scenario in the following ways: place your mini-Tag near RFID reader on the keypad and then press the key that activates the desired scenario; enter your code and then press a programmed key (with PIN); long press the programmed key (without PIN).

For recovering eventual errors while you are entering the code, it is possible to cancel the wrong digits by pressing <X> key; incorrect code blocks the keypad for 5 minutes after the third wrong attempt.

Scenarios and colors of RGB led associated can be remotely customizable from Installer App.



APP Ksenia Pro  
Installer



**ergo-X** keypad emits a beep during the entry and the exit time. The control panel detects sabotage attempts thanks to the tamper on the back of the case, the sabotage and restore events, associated to scenarios and missing notifications, are sent to users and installers. Two I/O terminals on the keypad can be programmed as outputs (open collector 500mA each) or as inputs (NO and NC or balanced up to triple parallel balancing, fast zones excluded).

Finally, the protection degree IP65 of the case allows outdoors installation, guarantees the operation even in the presence of pouring rain and does not require additional protection.

### Technical data

- Power supply 13.8 Vdc
- Consumption max 200mA
- Mechanical membrane keypad
- RFID tag reader
- Automatic backlight
- RGB led with customizable colors for system status signalings
- Feedback sound on operations
- Tamper switch anti-removal
- 2 terminals I/O (OC 500 mA max)
- Protection degree IP65 (compliant with EN 60529:1991 /A1:2000 /A2:2013)
- Resistance impact protection IK09 (compliant with EN 62262:2002)
- Temperature range from -25°C to +55°C
- Mount adapter plate + 2mt unshielded cable (8x0.22)
- Dimensions 72 x 113 x 20.5 mm (LxHxW)
- Color: black, light grey

### Quantity data

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