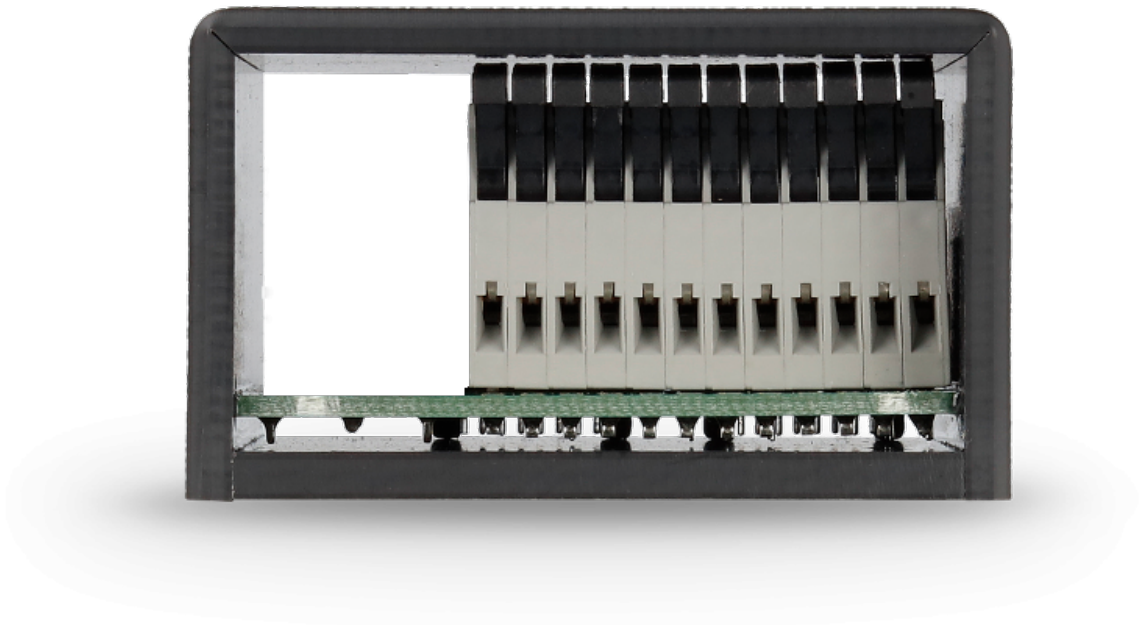
Extension module for Kentix system port (type A) – MANUAL



ORDER-CODES:
KIO3

Quick Start Manual

Overview

The extension module (system port) is used for the direct extension of Kentix devices with input/output functions, e.g. for alarm/fault messages or switching functions. The following input/output channels are available:

– Connection of up to two external messages via **potential-free** contacts
– Activation or switching of up to 2 external devices via relay contacts (changeover contact)

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The module is connected to the Kentix system socket (RJ45) of the respective device. The extension module is supplied with power via the system socket of the remote station and does not require an external power source. The cable length between the remote station and the module should not exceed 10-20 meters. The relays are equipped with changeover contacts and can be loaded with up to 60VDC/3A, the inputs may only be connected potential-free.

Safety instructions

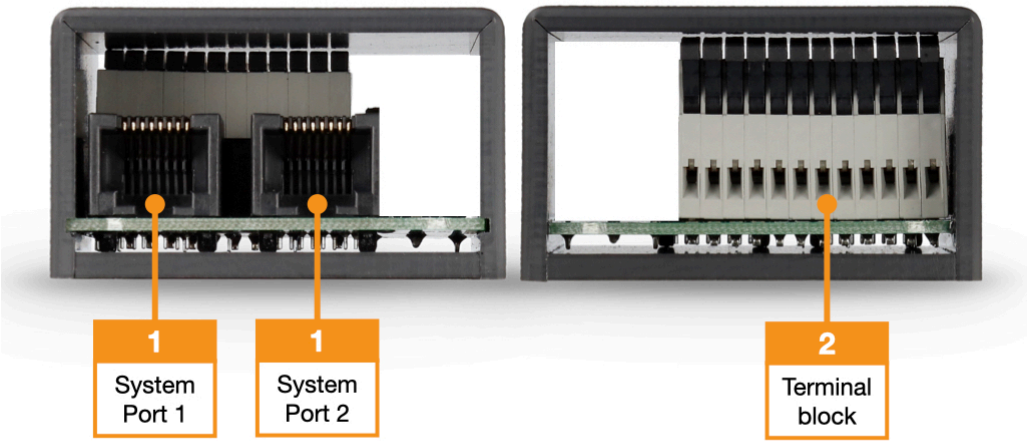
Installation
Installation and commissioning may only be carried out by trained specialist personnel in accordance with the instructions.
No modifications of any kind may be made to Kentix GmbH products, with the exception of those described in the relevant instructions.
When installing Kentix devices, certain degrees of protection must be guaranteed.
Observe the relevant regulations for installations in the respective environment.
Only operate the products within the defined temperature range.
The instructions should be passed on to the user by the person carrying out the installation.
Kentix accepts no liability for damage to the devices or components caused by incorrect installation. Kentix accepts no liability for incorrectly programmed units.
Kentix accepts no liability for faults, material damage or other damage.
Use of the products, transport and storage
Protect the device from
moisture, dirt and damage during transportation, storage and operation.
Battery powered products
Do not use the products in potentially explosive atmospheres.
Only operate the products within the defined temperature range.
Installation and battery replacement may only be carried out by trained specialist personnel in accordance with the instructions.
Do not charge, short-circuit, open or heat batteries.
Observe the correct polarity when inserting the batteries.
The devices must always be operated with the batteries intended for the product.
When changing the batteries, always replace all batteries.
Dispose of old or used batteries properly.
Keep batteries out of the reach of children.
Maintenance
Kentix devices must be checked for functionality as part of annual maintenance.
Disposal
Electrical appliances and batteries must be disposed of separately from household waste.

Connections

External devices that are to be switched via the relays of the expansion module must be supplied with voltage **independently**!
If, for example, a signal light is to be switched in the event of an alarm, the power supply for

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the signal light must be external. The relay only opens or closes the circuit at the respective event. The relays are designed as changeover contacts.

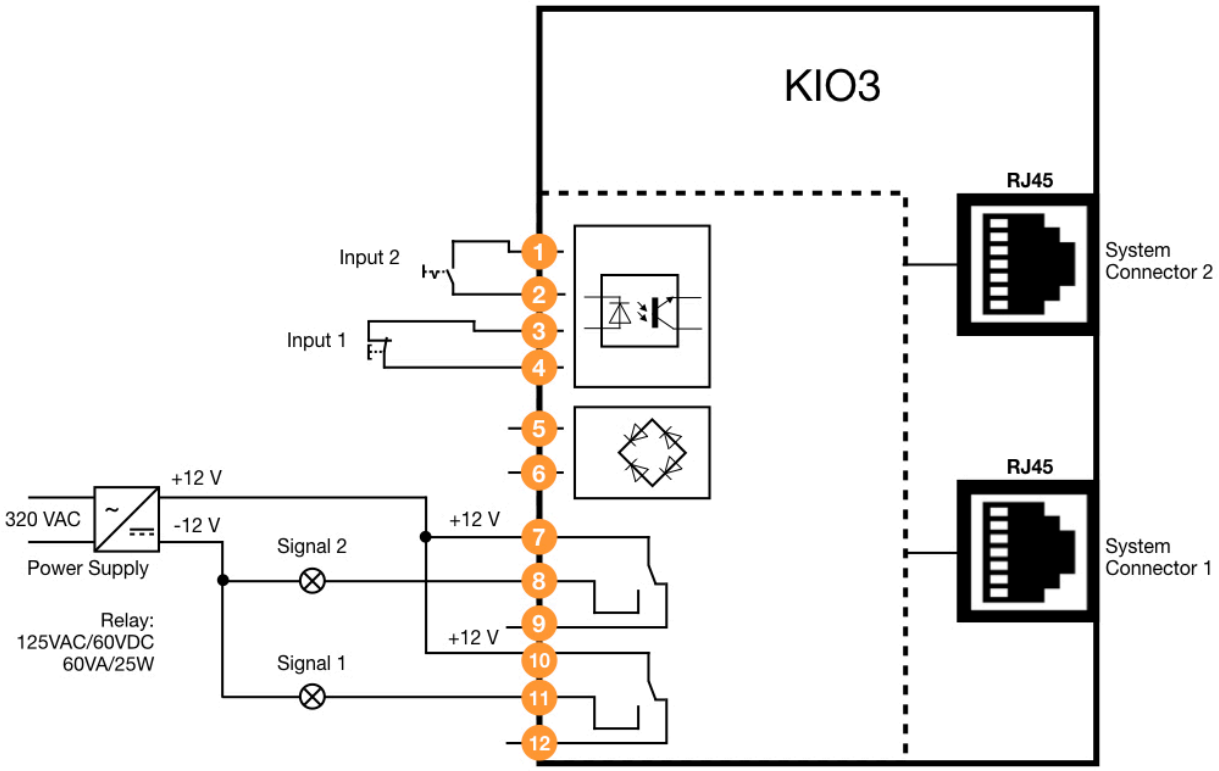


1. Kentix system port (port 1, RJ45) for connection to the system port of the remote station, e.g. AlarmManager, MultiSensor (Ethernet) or AccessManager (wireless). The second socket (port 2, RJ45) serves as an output socket for forwarding the signals.
2. Connection block (hinged spring terminal) for external wiring, see assignment and example wiring diagrams.

Circuit diagram with external alarms

The digital inputs of all Kentix devices must always be wired potential-free. I.e. no external voltage may be applied. The wiring is passive using normally closed or normally open contacts without voltage potential. The contact logic can be freely set in the software. Applying an external voltage will cause the device to malfunction!

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Example circuit for 2x input and 2x output

1. Terminal: Digital input 2 for potential-free wiring with normally open/normally closed contact
2. Terminal: Digital input 2 for potential-free wiring with normally open/normally closed contact
3. Terminal: Digital input 1 for potential-free wiring with normally open/normally closed contact
4. Terminal: Digital input 1 for potential-free wiring with normally open/normally closed contact
5. Terminal: External power supply 24VDC or BUS (A) – **Not required!**
6. Terminal: External power supply 24VDC or BUS (B) – **Not required!**
7. Terminal: Relay output 2 COM (Common max 24VDC/1A), changeover contact
8. Terminal: Relay output 2 NC (Normally Closed)
9. Terminal: Relay output 2 NO (Normally Open)
10. Terminal: Relay output 1 COM (Common max 24VDC/1A), changeover contact
11. Terminal: Relay output 1 NC (Normally Closed)
12. Terminal: Relay output 1 NO (Normally Open)

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The extension module (system port) with the ORDER_CODE: KIO3 must not be used in conjunction with the system port (TYPE B).

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