8.5. Kentix Power-Adapter (KIO3) with digital I/O clips

The Kentix I/O Power-Adapter is used to expand your Kentix-solution to include the additional functions:

• Connecting of up to two external alarms via dry contacts to a MultiSensor
• Controlling resp. switching of up to two external devices via relays by a MultiSensor

The adapter is connected directly to the Kentix system jack and offers the possibility to power the MultiSensor with a power plug or a permanently connected AC adapter.
The cable length between MultiSensor and the KIO3 adapter should not exceed 10m.
The relays are equipped with PDT contacts and can be loaded with up to 60VDC/3A.
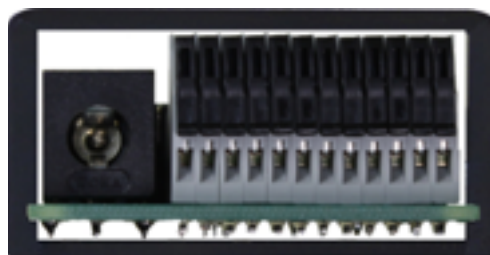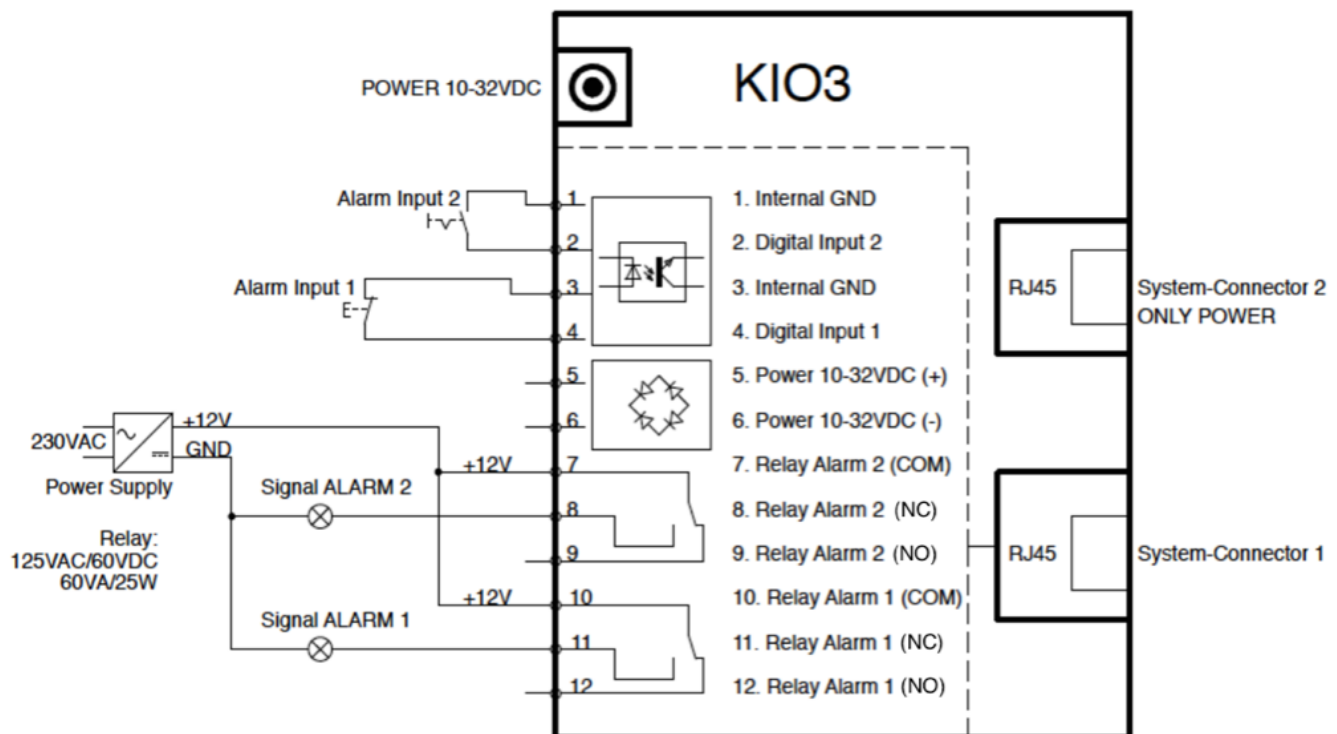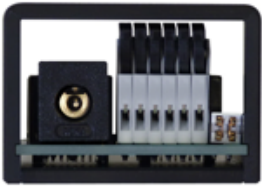
Figure 1: Back of Kentix Power-Adapter (KIO3)
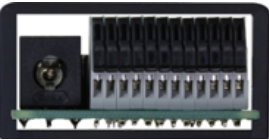
Figure 2: Circuit diagram with external alarms

KeyPad-Touch & Accessories

8.6. Overview and application examples for Power-Adapters (KIO1-3)

Image	Description	Application examples
KIO1	**Power-Adapter with digital I/O clips** Adapter block for the connection of 2 MultiSensor-RF to a power supply via the Kentix system jack. Additionally a terminal block for using the alarm inputs at one MultiSensor is available. **Terminal block:** • Digital inputs: 2 • Digital outputs: 0 • Power supply: Terminal block or AC adapter	• Operation of one Kentix leakage sensor at a MultiSensor-RF • Connection of external components to the alarm input of a MultiSensor (e.g. air conditioning, door contact)
KIO2	**Power-Adapter** Adapter block with AC adapter for powering one Kentix MultiSensor via the Kentix System jack. **Terminal block:** • Digital inputs: 0 • Digital outputs: 0 • Power supply: AC adapter	• Power supply for one MultiSensor-RF/-LAN/-LAN-RF • Connection of one MultiSensor-RF to monitor the external power supply • Power supply for a Kentix Alarm sirene plus one MultiSensor-RF/-LAN/-LAN-RF via a RJ45 T-Adapter (included with Alarm sirene)
KIO3	**Power-Adapter with digital I/O clips** Adapter block with 2 digital inputs and 2 relay-outputs and 2 Kentix System jacks for the connection of MultiSensors. **Terminal block:** • Digital inputs: 2 • Digital outputs: 2 • Power supply: Terminal block or AC adapter	• Connection of external components to the alarm input of a MultiSensor (e.g. air conditioning, door contact) • Connection of a LED to display the arm/disarm state via the 1st sensor output (relay 1) • Connection of a door control to open a door when disarming an alarm zone