KANTECH

KT-100 Mini Door Controller
Opens the door to versatile security

- **Flash memory programming**

- **Fast Communication Speed up to 115,200 bauds**

- **Trouble Reporting**

- **Shorter Installation Time**

- **Interfaces with an External Alarm System**

Important

- The connection to the mains supply must be made as per the local authorities rules and regulations. In the UK, as per BS6701.

- The equipment is intended to be installed by service personnel only or equivalent (e.g. persons having appropriate technical training and experience necessary to be aware of hazard to which they are exposed).

- Internal wiring shall be routed in a manner that prevents:
  -Excessive strain on wire and on terminal connections;
  -Loosening of terminal connections;
  -Damage of conductor insulation.

- The power supply shall meet the applicable requirements of the low voltage directive, and must be permanently connected and protected, as per the EN60950 standard requirements.

- In Norway, the connection of the power supply must be made as per the local rules and regulations (National Deviations).

- All circuits are power limited

Controller Name

Loop Name

MODE   LED
Reset   : 4 Pulses
On-Line   : 3 Pulses
Stand-Alone : 2 Pulses
Slave   : 1 Pulse
Card Reading : ½ Sec. ON

KT-100
ACCESS CONTROLLER

KANTECH

SN:

TRANSMIT   RECEIVE

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Opens the door to versatile security

Flash Memory Programming

The KT-100's firmware program is stored in flash memory for easy upload from the workstation without changing memory chips. Security providers will also find the flash memory saves time by allowing system upgrades from a PC without having to physically go to every controller.

Trouble Reporting

Constant trouble supervision keeps tabs on the unit's power supply and whether a short to ground or open circuit is affecting the locking device. It also checks all the equipment for any type of failure or tampering, while a self-resetting PTC protects the power output against short circuits and surges.

Shortens Installation Time

Mounts on the secure side of a door, reducing the length of cable required for installations. Has no dipswitches or jumpers to set. Includes connections for 2 card readers (entry/exit), lock device, door contact and request to exit. Mounting is easy: it can be placed on a single gang box (flush mount) or on a surface back box specially designed for it.
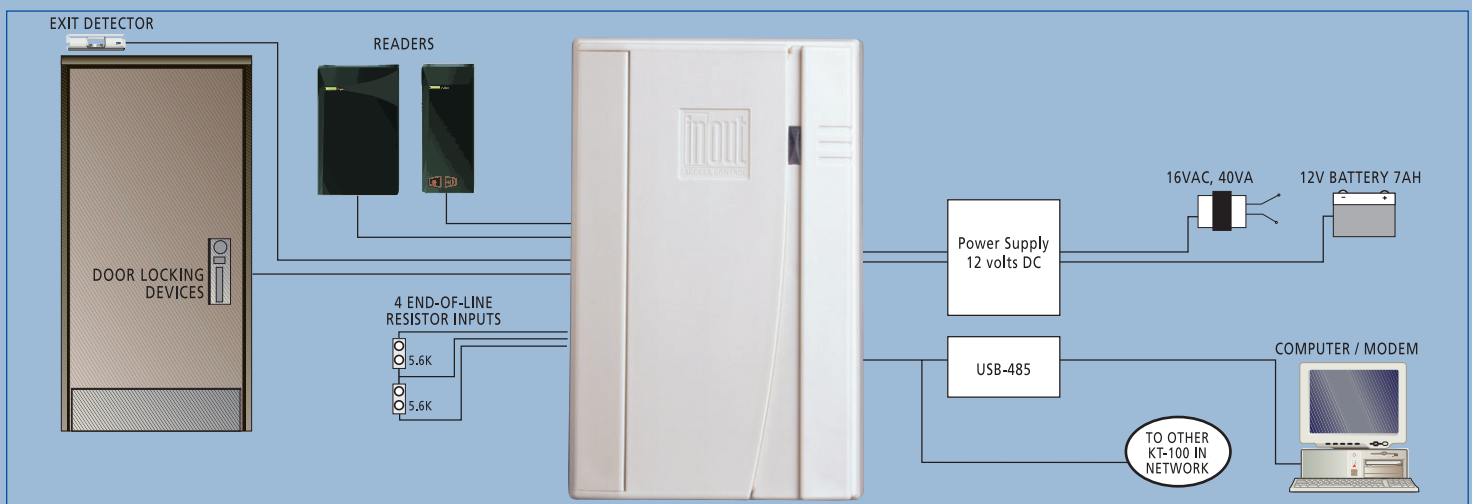
Interfaces With An External Alarm System

Installers can assign registered users permission to arm or disarm an external alarm system. Using a TCP/IP interface module, the KT-100 can be connected to a LAN/WAN network (using Kantech's EntraPass Corporate Edition multi-user access control system software).

KT-100 Technical Specifications	
Input power	9.5 to 14 VDC/50mA + accessories (Max. 750mA)
Battery backup	1 lithium battery, up to 10 year retention
Dimensions (H·W·D) inches	4.5" H x 2.75" W x 1.25" D (11.4cm x 7.0cm x 3cm)
Operating temperatures	From 35°F to 110°F (2°C to 40°C), 0-95% humidity, non-condensing
Reader types	Wiegand, proximity, bar code, magnetic, integrated keypad and others
Monitored points (inputs)	4 monitored points, NO/NC, with or without end-of-line resistors
Points maximum wiring	600m (2,000') – (AWG #22)
Door strike power	12VDC, 250mA each, supervised
Auxiliary outputs (LED, BUZ)	2 outputs, open NPN collector for door access & status 25mA max, 12 VDC each
Relay outputs (R1 ,R2 , R3 , R4)	2 control relay outputs, 12VDC, 25mA totals each, open collector to ground 2 relay outputs, 30VAC/DC, 50mA (max) each. Two opto-isolated contacts per relay
Reader power outputs	5VDC @150mA total, protected
Communication ports	RS-485
Communication speed	Up to 115,200 bps (automatic detection)
Firmware Flash memory	64k
RAM memory	128k, protected by a lithium battery
Network autonomy	Distributed data and processing
Certifications/Listing	FCC Part 15, Class B

Ordering Information

KT-100	Mini Door Controller 2 readers, 1 door (requires 12VDC power supply)
MUSB-1WHT	Surface mounting box to use with the KT-100 Mini Door Controller (color: white)
VC-485	RS-232/RS-485 multi-function communication interface
USB-485	USB to RS-485 communication interface

Item # 20950
DN1512-0412

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