



## Keydetector.Gate 'wall/desk'

This tiny little package works equally well for desktop applications as it does for access.

### Access control for all types of users

- Combine access for contract and short-term users with contactless 13 MHz RFID reader featuring code entry.
- Ideal for cordoning off sections or allowing access to time-restricted areas.

### Permissions control at point-of-sale

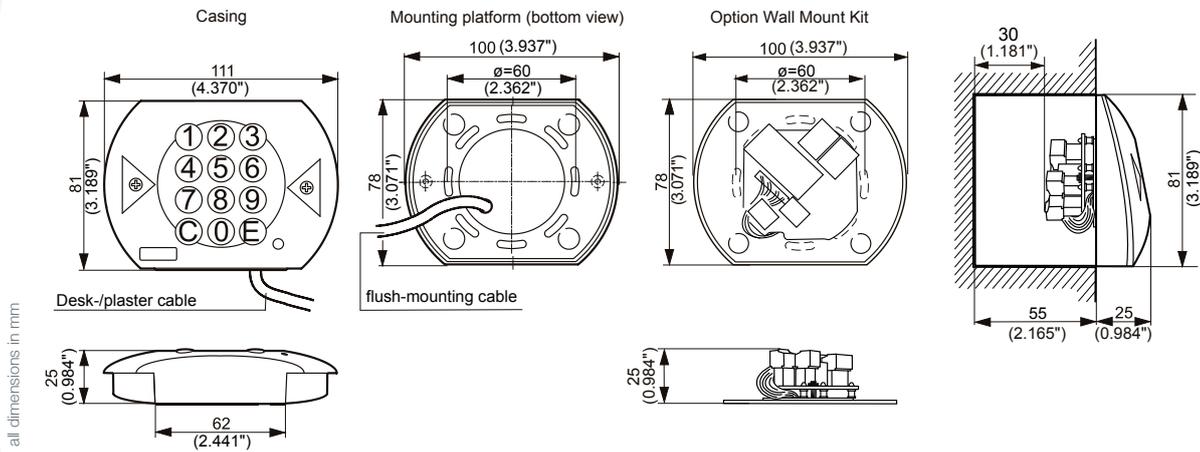
- Identify and program permissions onto 13MHz-keycards or similar RFID-based data carriers at the cashier.
- Connects to POS PCs simply via USB, with additional input/output connection to cashier drawer.

### Flexible enough to offer local solutions

- Installation is easy – fits onto existing socket, mounts straight onto a wall or sits neatly on your desk.
- Place it as second control unit in a separate location to ensure doors stay closed in case of tampering.

### It's good to have options

- Link it to your application and set-up different operation modes:
  - access with RFID-card and / or pin-only
  - always open / locked mode (day & night)
  - remote access via Ethernet connection



## Features

- Processes 13 MHz RFID-based data carriers
- Supports ISO-15693 (8), ISO-14443A/B (4), ISO-18092 (2)
- Optional SAM module (e.g. Calypso, FeliCa)
- Keypad for optional input of access code

### Support for pedestrian/vehicle access ("Wall" w/ HOST)

- Door opener provides access control at entrance doors
- Shutter opener raises/lowers barriers and shutter doors
- Can be used as section entry and exit control component
- Access permissions are verified exclusively via the host
- The 3 inputs and 2 outputs are exclusively controlled via the host

### Support of use as a coding device ("Desk" with POS)

- Encoding of 13 MHz data carriers via USB interface

## Standard Version

- Keydetector with integrated 13 MHz RFID
- Keypad for input/correction/confirmation of access codes
- Dummy - Keypad without Numbers (no input)
- Customer Interface: 1x LED (red/green/orange), beeper
- USB cable (USB-A plug, 3 m / 118.11", with power supply)

- I/O cable (3 inputs, 2 outputs, TTL/OC, 3 m)
- Enclosure with impact resistant ABS
- Pictograms: 2 triangles per unit

## Options

- Wallmount-Kit (WMK): incl. 10/100MBit Ethernet cable (RJ45 plug), 5 galvanic. isolated I/Os (3x screw clamp terminals), 11–25 V DC ext. power supply (1x screw clamp terminal)

### Local HOST extensions (for CarAccess applications)

- Interface control card with 3 inputs / 2 outputs for connection of external devices, 3 m SIO cable to Keydetector, with integrated 5 V power supply, external +24 V power adapter and 10 MBit Ethernet port for host connections. Installation in locally provided surface-mount socket (top-hat rail) for Door Opener, Shutter Opener and local section control solution.
- Induction loop twin detector for vehicle detection (+24 V, installation on top-hat rail)
- Pictogram for user information

## Technical Specifications (of Keydetector.Gate)

Dimensions	113 mm x 25 mm x 80 mm (W x H x D) / 4.45" x 0.98" x 3.15" (w x h x d)
Temperature range	-20 °C to +60°C; (0–95 % d.H.)
Casing color	Traffic grey (RAL 7043)
Keypad color	Grey aluminium (RAL 9007)
Operating voltage	USB (or SIO): +5 V DC ± 5 % LPS Wallmount-Kit: +11 V to +25 V DC, LPS
Power consumption	Max. 2.5 W (max. 4 W with Wallmount-Kit)
Interfaces	USB 2.0 compatible / 3 Input / 2 Output
USB driver	XP(e)/W2000/SRV2003/Vista (x86 only), W7(e)/W2k8R2 (x86+x64)
Declarations / Certifications	CE, FCC, IC, <sub>c</sub> TÜV <sub>US</sub> , C-Tick
Supported Data Carriers	keycard basic / unlimited/ca13 / advanced / venue, keytix light, keywrist light
RFID Reader	13 MHz (ISO-15693, ISO-14443, ISO-18092) 13 MHz keycards, ISO-15693, ISO-14443-3 A/B On-demand 'scripting' project management for current smartcards ISO-14443-4 A/B, ISO-18092/NFC-IP1 (T=CL), max. 1x ISO-7816 SAM Module (T=1)
Typ. Scanning Range	ISO-15693: 4 cm (1.574") / ISO-14443A/B: 2 cm (0.787") / ISO-14443A/B: 2 cm (0.787")
SAM Module	1 pc. (ISO-7816 specified parts)
I/O switching conditions	3 inputs / 2 outputs (100 % ED, e.g. for Keep-Open function) +12 V DC (max. 1.5 A) / +24 V DC (max. 0.5 A)
Installation	On standard flush-mount switch socket, 65 mm (2.559"); close-by metallic surfaces (up to 5 cm / 1.968") may influence the scanning range
Degree of protection	IP4X (applies only to the wall version and only when installed according to the installation manual)

## Options (Ethernet or Host connection)

Local host (with emergency mode functionality)	sd582 / STD & Ethernet & 5 I/Os, SIO cable, 3 m; includes wide-range +24 V DC power adapter, available only for "Car Access" APT450.Logic (from R20) / Parking.Logic (from R3).
Wallmount-Kit (without emergency mode functionality)	10/100 Ethernet, 5 I/Os, galvanically isolated, requires 11–25 V DC LPS external power supply