

KA14

Base Cash Drawer

Product Manual

Edition April 2000

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Manufacturer's Declaration and Approval



The device complies with the requirements of the EEC directives 89/336/EEC with regard to "Electromagnetic compatibility" and 73/23/EEC "Low Voltage Directive". Therefore, you will find the CE mark on the device or packaging.

FCC-Class A Declaration

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Le présent appareil numérique ne génère pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la "Classe A" prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Important notes

- The device may be repaired by authorized qualified personnel only. Unauthorized opening of the device and inexpertly carried-out repairs may not only seriously jeopardize the safety of the user, but also cancel all warranty and liability agreements.
- Never plug in or unplug data communication lines during thunderstorms.
- Protect devices from vibrations, dust, moisture and heat.
- Please dispose of the device in an environmentally safe manner when it has served its time.

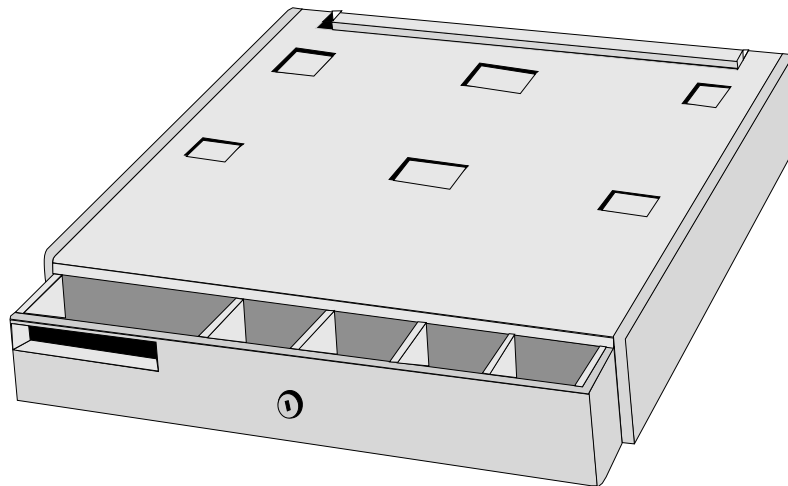
Notes on maintenance

Wipe off the cash drawer with a damp cloth when needed. Never use solvents, since these corrode the plastic.

KA14 Base Cash Drawer

General

The KA14 Base Cash Drawer is designed as a base drawer for installation in a checkout desk or under the POS system. It can be connected directly to the cash drawer interface provided on the POS 2000/10 and BEETLE systems. The drawer opens out toward the front and can be supplied with or without a check slot.



Base drawer with lock and check compartment

General

The width of the bank note compartments is variable, allowing them to be adjusted to different bank note sizes (currencies). Altogether the KA14 Base Cash Drawer has 8 large coin compartments (or 7 in the version with a check compartment), 4 compartments for bank notes and 3 compartments for checks, bank notes, documents or coin rolls.

The cash drawer is available with three different locking options:

- Without lock
This drawer cannot be opened mechanically with a key.
- With lock and key for opening cash drawer (unlatchable)
- With lock and key for locking cash drawer only

Furthermore, the base cash drawer is available in two versions:

- Without check slot (standard)
- With check slot (special)
Checks can be placed in the check compartment by inserting them through the check slot, without opening the drawer.

Thus, the following variants of the base cash drawer are available:

	KA14 Base Cash Drawer without check slot (standard)	KA14 Basic Cash Drawer with check slot (special)
Without lock	Base cash drawer (standard/security)	Base cash drawer (special/security)
Unlatchable	Base cash drawer (standard/unlatchable)	Base cash drawer (special/unlatchable)
Lockable	Base cash drawer (standard/lockable)	Base cash drawer (special/lockable)

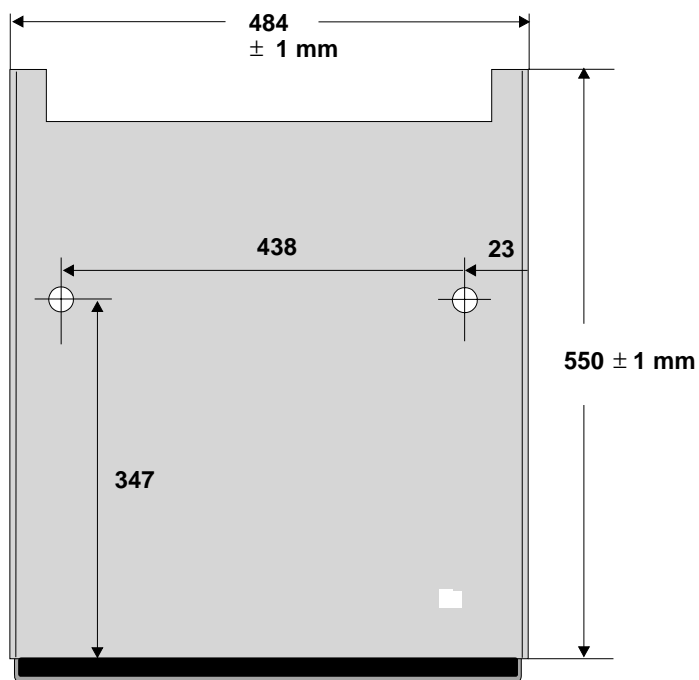
An optional cover is available for the versions with and without a check slot for closing the money tray for security reasons, e.g. during transport:

- Short cover for money tray, standard
- Long cover for money tray, special

Mounting the Cash Drawer

Mounting the cash drawer

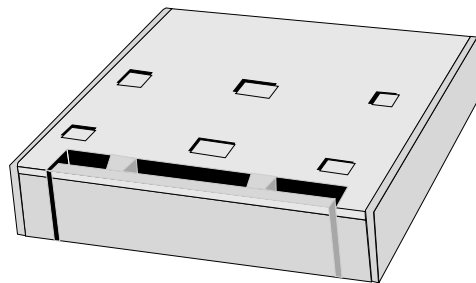
The cash drawer can be mounted on the checkout desk by means of two M4 bolts. The length of the bolts must correspond to the thickness of the desk plus max. 10 mm, but no less than 8 mm, for the bottom of the cash drawer. The bore size must be 6 mm.



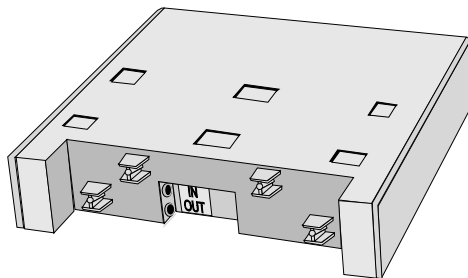
Opening the cash drawer

Generally speaking, the opening of the cash drawer is triggered by the software. If this ever becomes impossible, e.g. due to a power failure, there are two options for opening the drawer manually and gaining access to the cash box:

Emergency opening of the cash drawer

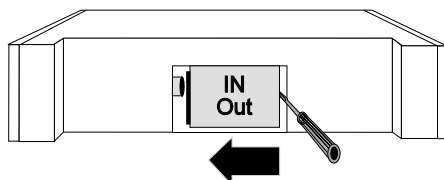


Remove the cable cover from the back of the cash drawer.

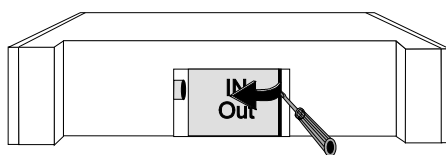


The plate with the IN/OUT label is now visible.

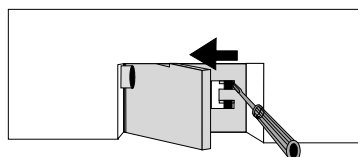
Emergency opening of the cash drawer



Using a small screwdriver, move the IN/OUT plate to the left.



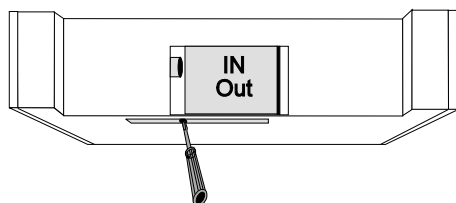
Open the plate.



Two black sliding switches are now exposed. Move one of the two sliding switches to the left to open the cash drawer.

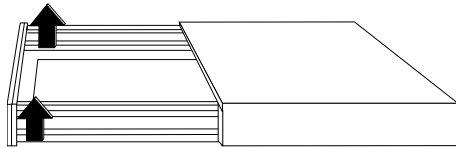
Press the plate in until it snaps into place, making sure that the mounting screws are aligned with the notches in the plate.

Emergency opening of an unmounted cash drawer

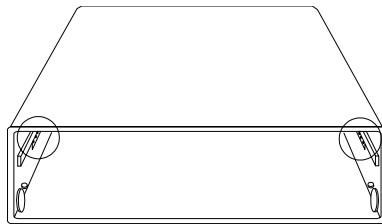


To open the cash drawer, insert a small screwdriver from below in the hole in the center of the metal plate. Move the screwdriver sideways to open the drawer.

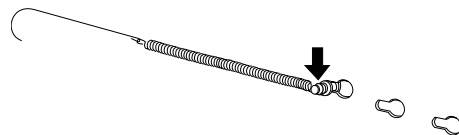
Setting the travel distance



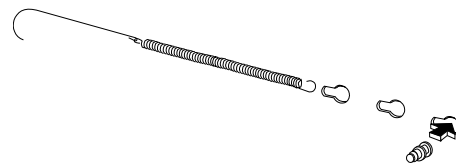
Pull the drawer out all the way to the stops, lift it over the stops and remove it.



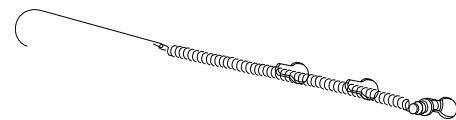
Spring pins are located on the right- and left-hand sides inside the cash drawer housing.



Pull the spring over the spring pin carefully because it is only loosely hung in the back.



Remove the spring pin and insert it in the desired opening.

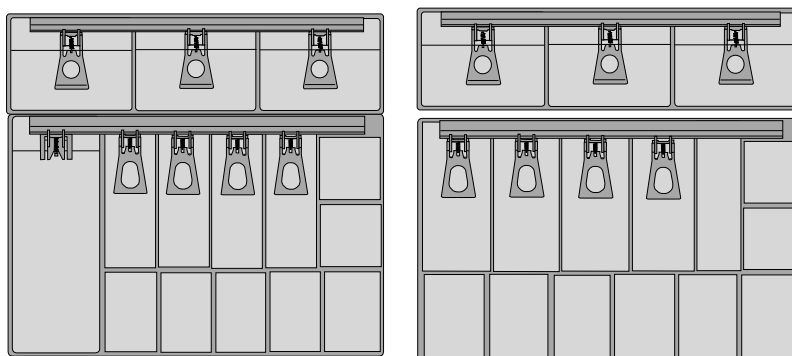


Carefully place the end of the spring on spring pin.

The Money Tray

The money tray

The money tray comprises two units. The front unit is for coins and bank notes and the rear unit is for storing coin rolls, checks or over-ring receipts. In the case of a money tray with a check compartment, the two units are bolted together.



Money tray with check compartment

Money tray without check compartment

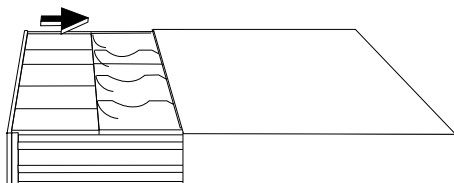
Lockable covers are available for both variants - money tray with check compartment and money tray without check compartment. Either a short or long cover can be used, depending on the money tray.

Using the money compartments

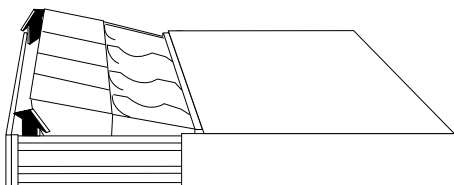
The drawer can be pulled out to the first (soft) stop. The coin and bank note compartments are now accessible. When the drawer is pulled out to the second stop, the rear compartment can be accessed in order to store any larger bank note denominations or checks.

The individual compartments can be adjusted to different bank note sizes by moving the dividers.

Removing the money tray from the housing.



In order to remove the money tray from the housing, first slide it to the end of the drawer.



Hold the cover with one hand and pull up on the money tray with the other.

Replace the money drawer by following the steps above in reverse order. Make sure that the tray is pushed under the edge of the front cover or the drawer will not close!

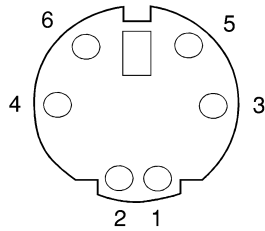
Connection system

The base cash drawer is connected directly to the cash drawer interface provided on POS 2000/10 and BEETLE systems. The base cash drawer connecting cable plugs into a 7-pin circular jack at the cash-drawer end and a 6-pin mini-DIN jack at the BEETLE system. The cable for connecting the base cash drawer to the POS 2000/10 system plugs into a 7-pin circular jack at each end. Power (12/24 V) is also supplied via this cable.

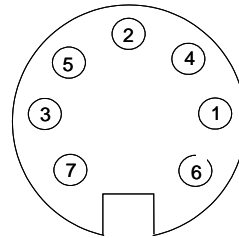
6-pin mini-DIN jack
at the BEETLE system:

7-pin circular jack at the cash drawer
and at the POS 2000/10 system:

Pin	Signal	Pin	Signal
1	KLA1	1	
2	LAZU1	2	LAZU2
3	GND	3	LAZU1
4	KLA2	4	KLA1
5	LAZU2	5	KLA2
6	+12V bis +24V	6	+12V bis +24V
		7	GND



6-pin mini-DIN jack



7-pin circular jack

Meaning of the signals	
LAZU1	Drawer 1 closed
LAZU2	Drawer 2 closed
KLA1	Drawer 1 open
KLA2	Drawer 2 open
+ 12V to + 24V	Supply voltage
GND	Ground

Technical Data

Technical data

Height	93 mm \pm 1 mm
Width	484 mm \pm 1 mm
Depth	550 mm \pm 1 mm
Travel - 1st stage	Approx. 295 mm
Travel - 2nd stage	Approx. 380 mm
Weight	8.2 kg
Power supply	+ 12 V DC -10% to + 24 V DC +10%
Continuous current	50 mA
Ports	6-pin mini-DIN jack to BEETLE system 7-pin circular connector to cash drawer and to POS 2000/10 system