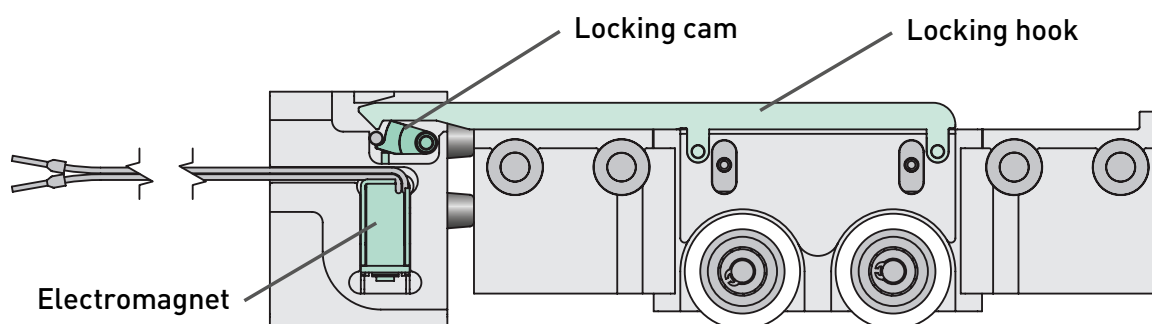


NEW: electronic lock for Portavant 80 automatic

An electronic lock is now also available as an optional accessory for Portavant 80 automatic, the automatic Vitris sliding door fitting with low kinetic energy mode.

The lock consists of two components:

- 1) the locking cam driven by an electromagnet and
- 2) the locking hook that moves with the roller assembly.



The electronic lock for Portavant 80 automatic offers the following advantages:



Simple installation without glass cut-outs or additional profile overlap:

The space-saving integration of the electromagnet and the locking cam in the end-stop makes glass cut-outs unnecessary. There is no need for an additional lateral profile overlap for the lock.

Retrofitting:

The electronic lock can be retrofitted for door drives constructed from 2018 onwards, software version 1.5*.

Snap-action:

The electronic lock has a snap-action that allows the door to engage with a lock that has already been activated; the locking hook then clicks into place.

Power supply via door drive:

Power is simply supplied to the lock via the Portavant 80 automatic door drive.

Protection of persons in the event of danger:

The lock is an electromagnetically-operated closure that unlocks automatically in the event of a power failure. Protection of persons, i.e. a means of escape in the event of an emergency, is given priority over the protection of valuables. A wired switch that interrupts the power supply to the lock should always be installed inside the room to open the lock, allowing anyone inside to leave at any time.

*Subject to technical modification and further developments that could, in future, lead to an incompatibility between a door drive previously supplied and a lock supplied at a later date.

The electronic lock for Portavant 80 automatic is suitable for many different applications:

1 Opening the lock without automatically opening the door



In the simplest application, the electronic lock is controlled independently of the door. This concept is ideal, for example, in a secretary's office that is only locked when the secretary is absent but that should be accessible for other people when the secretary is present.

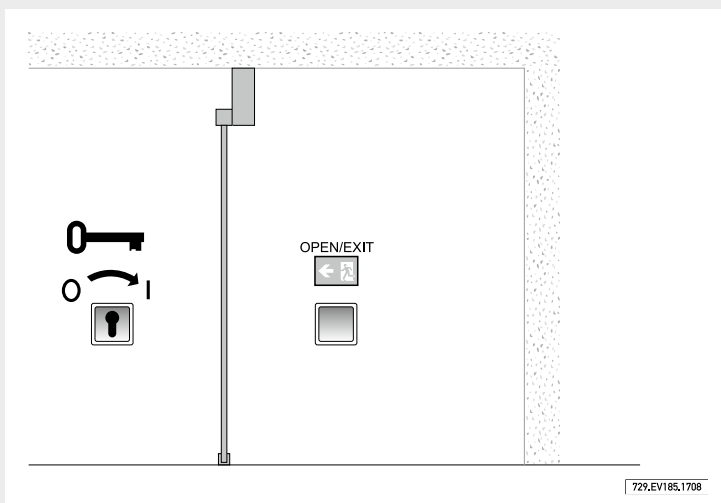
The secretary opens the lock using a simple key switch or other means of identification. With the Push & Go function, the door then requires just a gentle push to open automatically.

Depending on the mode selected, the sliding door then either stays open (semi-automatic mode) or closes again after a set period (automatic mode). Provided that the lock is not engaged again, visitors can enter the secretary's office. The automatic door can be operated via Push & Go and also via push buttons, remote control, contact-free wall sensors or motion sensors.

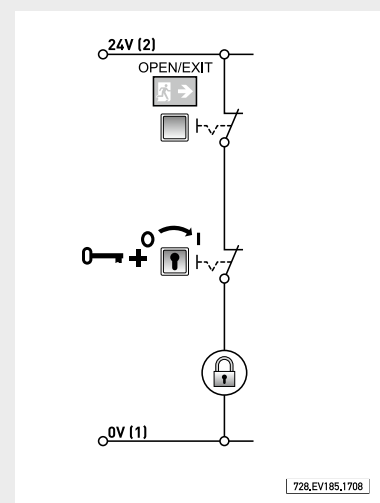
In order to prevent people from being locked in the room inadvertently and then being unable to escape in the event of an emergency, a clearly labelled wired emergency switch that interrupts the power supply to the lock must be installed inside the room so that the lock opens, providing a means of escape at any time for anyone inside the room.

Power is simply supplied to the lock via the Portavant 80 automatic door drive.

Positioning the switches:



Wiring:



2 The Vitris radio solution: opening the lock with automatically opening the door

The door drive can also receive commands to open from a separate, external control unit. This feature allows the door to be opened automatically when the lock is opened.

The radio solution included in the Vitris product range offers this convenient function (e.g. for barrier-free residences):



The lock and the door open automatically at the same time when a button is pressed on the hand-held radio transmitter (button with the “door” symbol). The pulse triggered by the hand-held radio transmitter is received by both the lock receiver and the door receiver, the lock receiver opens the lock and the door receiver then allows the door to open. The Vitris radio solution also enables opening or closing of the lock without any movement of the door (buttons with the symbols “open lock” and “closed lock”).



As access control is not generally required to leave a room, a push button can be installed inside the room for easy opening of the door, even without the hand-held radio transmitter. Via the radio push button interface (installed in the flush-mounted junction box), the push button is also wirelessly connected to the receivers.

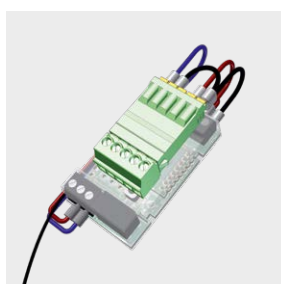


A wired emergency exit switch also installed inside the room ensures that, in the event of an emergency, the power supply is interrupted without the control pulse and the lock opens. This means it is always possible to leave the room in an emergency.

The Vitris radio solution consists of the following components:



Radio receiver
for the door



Radio receiver
for the lock



Radio push-button interface
for flush-mounted fitting



Hand-held radio transmitter

The Vitris radio solution is based on HomeMatic components by eQ-3, which have been adapted for use with Portavant 80 automatic. The Portavant 80 automatic control provides the power supply to the radio receivers.

The radio components included in the set for operation of a single door with electronic lock via two hand-held radio transmitters and a push-button radio interface (for wall-mounted push button) have been pre-programmed (plug & play installation).

Unprogrammed door and lock radio receivers adapted for use with Portavant 80 automatic can also be purchased. These can then be programmed by the installer for use with other HomeMatic systems.

3 Access control systems: opening the lock, automatically opening and then closing the door and engaging the lock again



An access control system must meet the following requirements:

- The room should always be locked.
- The lock should only open after access authorisation has been verified
- The door should open automatically when the lock has opened.
- When the authorised person has entered the room, the door should close again automatically.
- After closing automatically, the door should be locked again.

A suitable access control system with the electronic lock for Portavant 80 automatic can be implemented as follows:



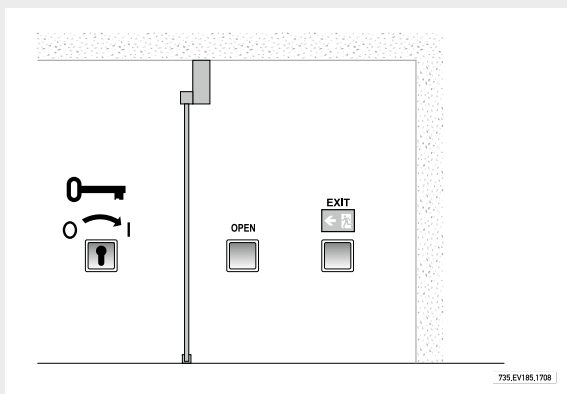
- A control unit to be provided by the customer interrupts the voltage supply to the lock for about two seconds and the lock opens briefly.
- At the same time, the control unit triggers a pulse for the door to open.
- As soon as the door has left the end position, the supply voltage to the lock is reactivated and the lock is closed.
- The door, operating in automatic mode, closes again after the set period and the locking hook engages in the closed lock.*

The SimonsVoss Smart Relay, for example, can be used for this control unit and to check access control. When using the SimonsVoss system, transponders are used for identification.

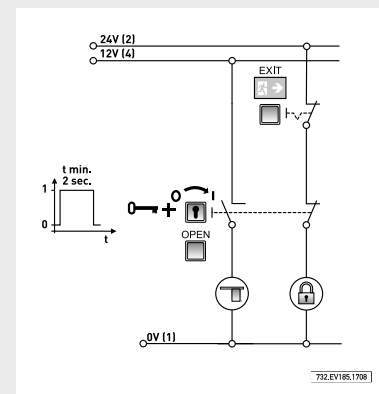
Inside the room, all that is necessary is a push button (in the case of SimonsVoss: a switching transponder) that can be used to give the command to open the lock and then the door; access control is not generally necessary when leaving the room.

A wired emergency exit switch also installed inside the room ensures that, in the event of an emergency, the power supply is interrupted without the control pulse and the lock opens. This means it is always possible to leave the room in an emergency.

Positioning the switches:



Wiring:



*Please note that the lock is an electromagnetically-operated closure that opens automatically in the event of a power failure. There is no warning/alarm if, for example, the door is blocked by an obstacle when closing automatically, so preventing it from engaging in the closed lock.