

HOPPE Electronic Multipoint Lock - Quick Facts

What We Supply

- Electronic Multipoint Lock with motor-driven automation
- Control Module to manage input/output functions
- Spring-loaded Contact to transfer power from frame to sash
- Magnet Contact to sense closed position
- Cables to connect supplied items (Lock, Contact, Control Module)
- Strikes
- Handle sets and accessories

What You Supply

- Power supply – 12V DC / 3A min required.
- Entry access system e.g. keypad, biometric or other user interface. The selected device must make a closed contact at the input terminals of the Control Module for ≤ 1 s to initiate the unlocking sequence.

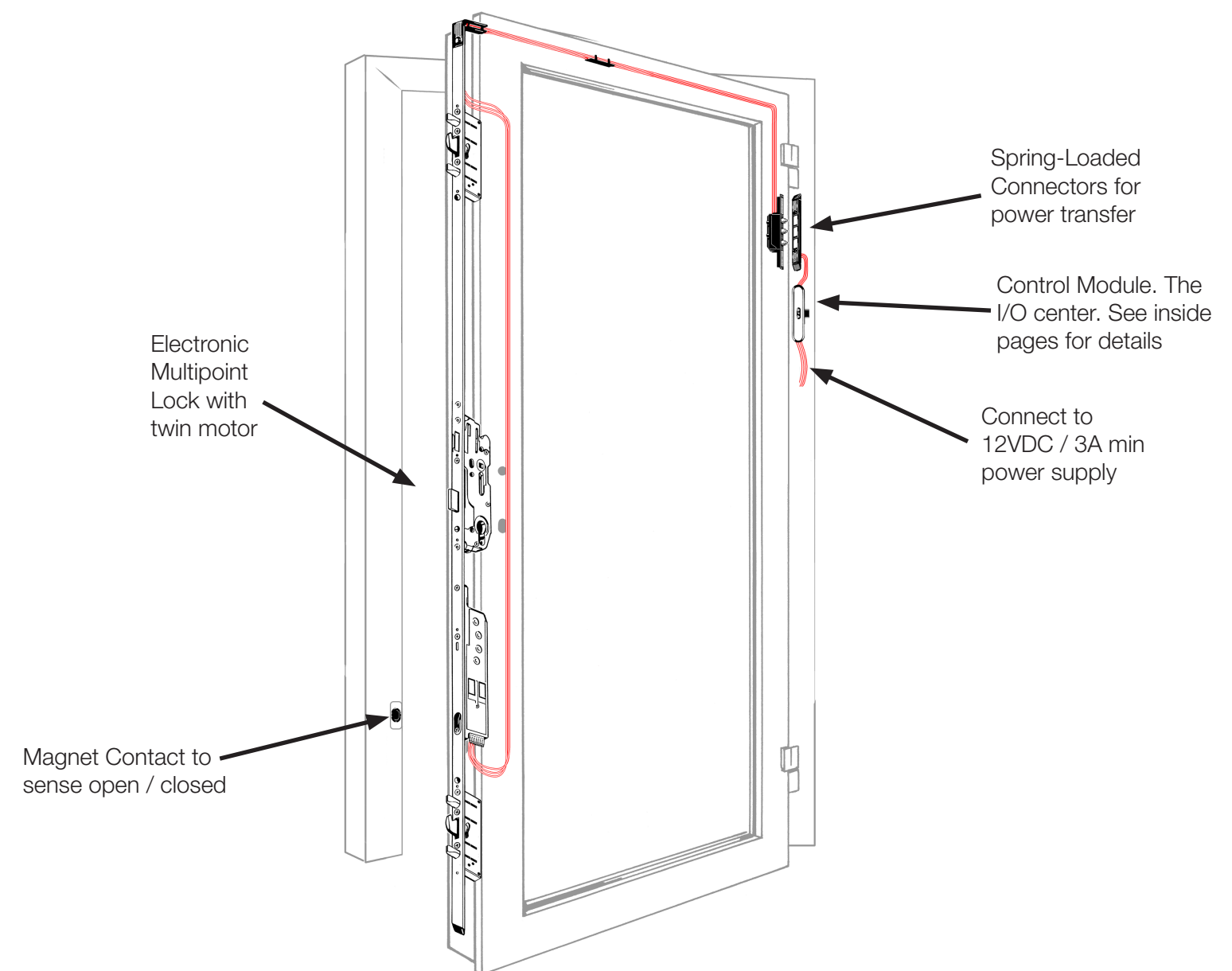
Electronic Multipoint Lock – Function and Features

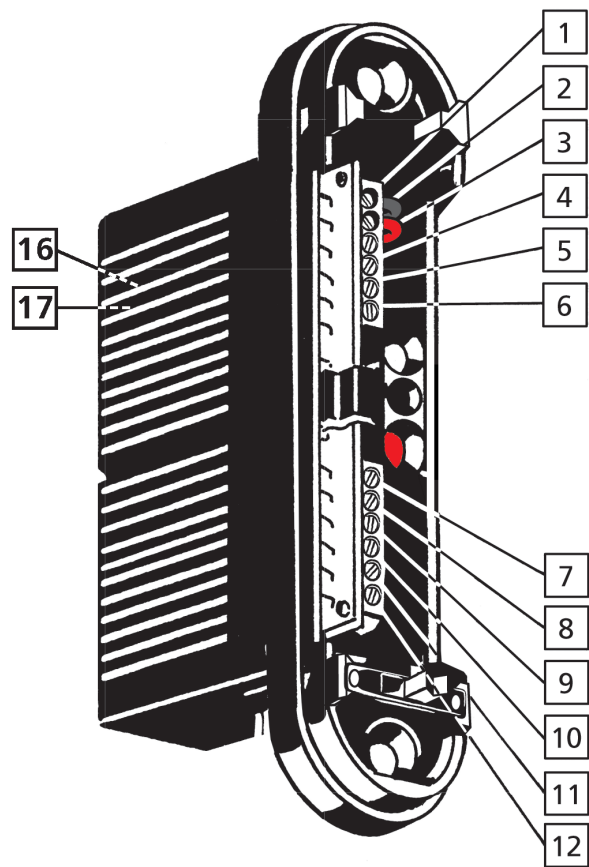
- Automated locking when door closes (3 second delay)
- Automated locking can be disabled via toggle switch (supplied) or other control device
- Mechanical anti-panic egress - egress is assured with or without power
- Mechanical overrides if power is lost or manual operation is desired
- One-piece lock construction
- Swing hook multipoints
- 67" [1702 mm] minimum overall length when cut
- 45 mm backset stocked. 35, 40, 55 and 65 mm available as special order.
- Locks are handed (LH and RH) and must be ordered according to door type (LH or RH).
- Latch is reversible for inswing vs. outswing. See installation manual provided with product.
- 360 degree profile cylinders are required
- 85.4" [2170 mm] overall length, 45 mm backset, 16 mm faceplate, 40.2" [1020 mm] handle height

General Requirements for Installation

- Route Specifications / Door Preparation files available upon request (.pdf and .dxf)
- Power must be supplied to each door opening. This can be problematic for some retro-fit applications.

Electronic Multipoint Locking Application Overview





The FUHR multitronic control unit is equipped with a multitude of input and output sockets to connect additional components (such as e.g. transponder, eye scan, finger print, code locks, electrical swing door opener, alarm systems, facility management systems etc.). The input and output sockets are located:

- On the frame: under the surface-mounted control unit casing's cover plate
- On the leaf: multi-functional jack of the FUHR multitronic drive unit

Terminal	Assignment
1 + 2:	Already occupied by the 12 V DC switching power supply unit's power supply.
3 + 4:	Output – e.g. for electrical swing door openers. <ul style="list-style-type: none">• Immediately after the FUHR multitronic lock has been opened via radio control, transponder etc., a relay triggers the make contact for 2 seconds. This impulse is processed by the swing door opener's control unit and triggers the swinging movement of the door leaf.• The "DRT" jumper can be removed if required (refer to the wiring diagram on page 36), enabling the swing door opener's output to be triggered just as long as a continuous signal is applied to the latch retaining function (terminal 9 & 10).
5 + 6:	Output –e.g. for alarm systems. <ul style="list-style-type: none">• Opening the door leaf and/or unlocking the lock triggers the related opener contact within 3 seconds. This remains triggered until the door leaf is closed over and the lock has been locked. An alarm system control unit processes the signal status and reports back OPEN or CLOSED.

Terminal	Assignment
7 + 8:	Input for 6-12 V AC (alternating current) or 6-24 V DC (direct current) <ul style="list-style-type: none">– optionally, this input can be used with two modes of operation:<ul style="list-style-type: none">• Function 1: Standard opening with subsequent complete locking after 3 seconds If a 1 sec. impulse is applied to this input (e.g. activated via a building management system) the FUHR multitronic lock will open.• Function 2: Opening with day latch function If a continuous signal is applied to this input (e.g. activated via a time switch) the FUHR multitronic lock will open. Upon opening the door leaf or after 5 seconds, only the lock's latch protrudes. All bolts remain withdrawn as long as the continuous signal is applied.
9 + 10:	Input for potential-free signals <ul style="list-style-type: none">– optionally, this input can be used with two modes of operation:<ul style="list-style-type: none">• Function 1: Standard opening with subsequent complete locking after 3 seconds If a potential-free impulse ≤ 1 second is applied to this input (e.g. controlled via an access control system) the FUHR multitronic lock will open• Function 2: Opening with day latch retaining function If a potential-free continuous signal is applied to this input (e.g. controlled via a time switch) the FUHRmultitronic lock will open. The latch and all bolts remain withdrawn as long as the continuous signal is applied.
11 + 12:	Input for potential-free signals <ul style="list-style-type: none">– optionally, this input can be used with two modes of operation:<ul style="list-style-type: none">• Function 1: Standard opening with subsequent complete locking after 3 seconds If a potential-free impulse ≤ 1 second is applied to this input (e.g. controlled via an access control system) the FUHR multitronic lock will open.• Function 2: Opening with day latch function If a potential-free continuous signal is applied to this input (e.g. controlled via a time switch) the FUHR multitronic lock will open. Upon opening the door leaf or after 5 seconds, only the lock's latch protrudes. All bolts remain withdrawn as long as the continuous signal is applied.<ul style="list-style-type: none">• The TGF jumper can be removed if required (refer to the wiring diagram on page 36), enabling the lock's latch to no longer retract motor-driven upon the first day-latch activation.
13 - 15:	Already occupied by the electricity and data transmission.
16 + 17:	Input for potential-free signals <ul style="list-style-type: none">• All motorised opening functions (radio receiver and control terminals 7-12) arew deactivated as long as this input remain triggered. The opening impulses via the motor's circuit board (terminal 4/7) are also deactivated.