The 8035 series is available in two models, the 8035 is unmonitored or the 8035-002 which has hall-effect monitoring. The units may be installed in wood, aluminum, metal or glass doors with or without available housings. This manual gives a guide to all of the above applications and other useful installation information.

1. Full Dimensional Drawing
2. Technical Specification
3. Flush Installation
4. Semi-Flush Installation
5. Surface Installation
6. Full Glass Door Installation
ROFU 8035 Magnetic Lock Assembly
ROFU 8035 Armature Plate Assembly

For vertical installation, Spring 200.1100 should change to 200.1105

Nut M10-1.5 x 4mm
Full Dimension

Magnet Assembly

Armature Assembly

Side View

Magnet Assembly

Armature Assembly
TECHNICAL SPECIFICATION

VOLTAGE
12VDC / 24VDC Selectable via jumpers
+ 10% over voltage is acceptable
Under voltage will reduce holding force

+ 10% over voltage is acceptable
Under voltage will reduce holding force

CURRENT CONSUMPTION
350mA @ 12VDC
190mA @ 24VDC
The unit does not require an initial voltage
Increase to operate.

DIMENSIONS
7 1/16” x 1 3/16” x 1 1/16” (180mm x 30mm x 27mm) Magnet
7 1/16” x 1 3/16” x 1 5/8” (180mm x 30mm x 42mm) Armature
7 3/16” x 1 7/16” x 1 7/8” (182mm x 36mm x 48mm) SMB200-HOUSING

OPERATING TEMPERATURE
-30°C to +50°F

HOLDING FORCE:
Up to 1500 lbs (680 kgs) in shear.
DYNAMIC STRENGTH FORCE:
Up to 70 ft-lbs.

NOTE: THE LOCK SHOULD BE POWERED BY A LISTED UL603 / UL1023 POWER SUPPLY
UNIT FOR USE WITH BURGLARY ALARM SYSTEMS.

<table>
<thead>
<tr>
<th>Model</th>
<th>Wire Gauge</th>
<th>Number of Turns</th>
<th>Maximum Electric Resistant at 20°C (Ω)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8035</td>
<td>0.01” (0.23 mm)</td>
<td>420 Double Turns</td>
<td>25.3</td>
</tr>
</tbody>
</table>
FLUSH INSTALLATION

The unit is designed to be flush mounted. The magnet should be fitted into the header (jamb) and the armature plate into the top of the door. It is vital that a minimum gap of 1/16" (2mm) exists between the magnet and the armature, to allow correct operation.

Adjustment of Mini Shear Lock

Using supplied key wrench to adjust armature plate to approx. 1/16" (2mm) of gap between magnet surface.
SEMI-FLUSH INSTALLATION

The unit may also be fitted semi-flush with the use of the 21036 housing. The magnet should be fitted to the door transom and the housing holding the armature on to the door. **It is vital that a minimum gap of 1/16" (2mm) exists between the magnet and the armature, to allow correct operation.**

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**Adjustment of Mini Shear Lock**

Using supplied key wrench to adjust armature plate to approx. 1/16" (2mm) of gap between magnet surface.
SURFACE INSTALLATION

The unit may also be fitted surface mounted using 2pcs of the 21036 or 21054 (Tamperproof) housing. The housing holding the magnet should be fitted above the door and the housing holding the armature on to the door. **It is vital that a minimum gap of 1/16" (2mm) exists between the magnet and the armature, to allow correct operation.**

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**Adjustment of Mini Shear Lock**

Using supplied key wrench to adjust armature plate to approx. 1/16" (2mm) of gap between magnet surface.
FULL GLASS DOOR INSTALLATION (NOT VERIFIED BY UL)

The unit may also be fitted to a full glass door and glass frame application, using 2pcs of the 21036 housing and 2pcs of the 21037 U-brackets. The housing holding the magnet should be clapped above the door and the housing holding the armature clapped on to the door. **It is vital that a minimum gap of 1/16” (2mm) exists between the magnet and the armature, to allow correct operation.**
NOTICE:

For Vertical Installation

Change the spring which is provided in the screwpack.

ROFU Security International Corp.
6818 S 220th ST
Kent, WA 98032
(253) 922-1828
www.ROFU.com
OrderEntry@ROFU.com