**GATE OPERATOR**  
**R18 BENC**  
For gate leaves up to 1.8 m

**650R18BENC**  
12 V electromechanical gate operator with encoder. Maximum gate leaf 1.8 m (foundation box to be ordered separately)

**650R18BENCVEL**  
12 V fast electromechanical gate operator with encoder. Maximum gate leaf 1.2 m / 200 kg (foundation box to be ordered separately)

**Features:**  
- residential use  
- for gates leaves up to 1.8 m  
- low voltage DC gate operator  
- optical encoder technology  
- electromechanical motor

**Pros:**  
- compact size  
- virtually invisible, does not affect the design of the gate  
- opening up to 360° with no additional accessories  
- obstacle detection and crush prevention  
- in accordance with EN 12445-12453 standards  
- works even during power outage thanks to the optional backup battery  
- fast operating speed  
- intensive use, ideal for use on apartment buildings and public entrances

**Technical features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>R18BENC</th>
<th>R18BENCVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>230 V AC (50 - 60 Hz)</td>
<td>230 V AC (50 - 60 Hz)</td>
</tr>
<tr>
<td>Motor power supply</td>
<td>18 V DC</td>
<td>18 V DC</td>
</tr>
<tr>
<td>Absorption</td>
<td>0.7 A</td>
<td>0.8 A</td>
</tr>
<tr>
<td>Absorbed power</td>
<td>14 W</td>
<td>15 W</td>
</tr>
<tr>
<td>Opening time</td>
<td>90°</td>
<td>9 sec.</td>
</tr>
<tr>
<td>Duty cycle</td>
<td>100 %</td>
<td>100 %</td>
</tr>
<tr>
<td>Max. torque</td>
<td>190 Nm</td>
<td>190 Nm</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>20° C ÷ 40° C</td>
<td>20° C ÷ 40° C</td>
</tr>
<tr>
<td>Motor thermal protection</td>
<td>IP 67</td>
<td>IP 67</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP 67</td>
<td>IP 67</td>
</tr>
</tbody>
</table>

**Inside04T**  
Complete underground automation kit for gates up to 1.8 + 1.8 m, with two 650R18BENC gate operators

**Accessories included in the kit (foundation boxes to be ordered separately):**

- 9000FPT/C  
- 700D747M  
- 250PXD1  
- 350T-KEY, aluminium + LED TSL  
- 900LAMP4  
- 250K-SLMP  
- C-CRT

**Further accessories:**

- Transmitters page 104  
- Photocells page 110  
- Flashing lights page 113

**Solar power**  
Thanks to the Photovoltaic (PV) Technology, every low voltage DC gate operator can be solar powered. Discover the advantages of the solar energy at page 124

**Watertight**  
The new watertight collar diverts rain water ensuring a complete and lasting protection.

**Opening up to 360°**  
The compact R18 gate operator is ideal where space is an issue.

The above represented installation does not include safety devices such as safety edges. Their addition depends upon the risk assessment made on any installation in accordance with EN 12445-12453 standards.

*They refer to leaves with openings and not totally closed panels.*
GATE OPERATOR

R18
For gate leaves up to 1,8 m

650R18
230 V electromechanical gate operator. Maximum gate leaf 1,8 m (foundation box to be ordered separately)

Features:
• residential use
• for gates leaves up to 1,8 m
• 230 V gate operator
• electromechanical motor

Pros:
• compact size
• virtually invisible, does not affect the design of the gate
• opening up to 360° with no additional accessories
• manual release
• high torque and power

Technical features

<table>
<thead>
<tr>
<th>Feature</th>
<th>R18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>230 V AC (50 - 60 Hz)</td>
</tr>
<tr>
<td>Motor power supply</td>
<td>230 V AC</td>
</tr>
<tr>
<td>Absorption</td>
<td>1.8 A</td>
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<tr>
<td>Absorbed power</td>
<td>240 W</td>
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<tr>
<td>Opening time 90°</td>
<td>22 sec</td>
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<tr>
<td>Duty cycle</td>
<td>32 %</td>
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<tr>
<td>Max. torque</td>
<td>148 Nm</td>
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<tr>
<td>Operating temperature</td>
<td>-20° C ~ +55° C</td>
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<tr>
<td>Motor thermal protection</td>
<td>160° C</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP 67</td>
</tr>
</tbody>
</table>

Accessories included in the kit (foundation boxes to be ordered separately):

- 650R18
- 750D750M
- 300T-KEY aluminium + LED TSL
- 250ANLTD
- 900LAMP3
- 250K-SLIMRP
- C-CRT

Further accessories:
- Transmitters page 104
- Photocells page 110
- Flashing lights page 113

650R18
Complete underground automation kit for gates up to 1,8 m, with two 650R18 gate operators

Accessories

- 700CFR18C Brown dip galvanized foundation box with release system
- 700CFR18X Stainless steel foundation box with release system
- 700BRC18 R18 Retrofit adapter arm
- 700BAP Gate stopper for heavy leaves
- 700BAP1 Gate stopper for light leaves
- 750D750M Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433.92 MHz radio receiver, complete with enclosure
- 8-750D752M10 Control unit enclosure protective lid

Limit to use*

*They refer to leaves with openings and not totally closed panels.

Further accessories:

- Transmitters page 104
- Photocells page 110
- Flashing lights page 113

Watertight
The new watertight collar diverts rain water ensuring a complete and lasting protection.

Opening up to 360°
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