Use 12V DC el. strike only!
Check the polarity (+ -)! An improperly connected el. strike can permanently damage Populus!
The power consumption of el. strike must not exceed 250mA!

**CONNECTION CABLE**

<table>
<thead>
<tr>
<th>Wire</th>
<th>Colour</th>
<th>Description</th>
<th>Populus connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red</td>
<td>9-14V DC</td>
<td>RDR - 12V</td>
</tr>
<tr>
<td>2</td>
<td>Gray</td>
<td>GND</td>
<td>RDR - GND</td>
</tr>
<tr>
<td>3</td>
<td>Light blue</td>
<td>Rs485 - CA</td>
<td>RDR - XA</td>
</tr>
<tr>
<td>4</td>
<td>Brown</td>
<td>Rs485 - CB</td>
<td>RDR - XB</td>
</tr>
</tbody>
</table>

* 1. wire is coloured red

UTP cable up to 200m, see manual

Backup battery, 12V 2.3Ah. Pay attention to the polarity!

100 - 230V AC

Ethernet connection
To local area network

RS 485 line
To communication converter

**Reader O-1-S**

Push button
Relay
El. Strike
Reader O-1-S

Door status switch

El. strike power

RS 485 line to communication converter

1. wire
4. wire