## 1. Description

The bell, relay and bimetallic switch assembly kit is used to construct different types of electromagnetic switches and bimetallic strip switches.

## 2. Equipment supplied

1. Base plate with three fixing positions
2. Bell, 70 mm diameter
3. Fixing screw for U-core
4. Coil
5. Bell
6. Contact rods
7. Bimetallic strip
8. Armature
9. Leaf spring
10. Contact pin

## 3. Technical data

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base plate</td>
<td>200 x 140 x 40 mm³ approx.</td>
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<tr>
<td>Weight</td>
<td>1.6 kg approx.</td>
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</tbody>
</table>

## 4. Example switch assemblies

To assemble the switches the following additional equipment is needed:

1. Transformer with rectifier @ 230 V
   - 1003316
   - 1 Lamp socket E14
     - 1000947
   - 1 Filament lamp, 12 V, 25 W, E14, as typical consumer item
2. Transformer with rectifier @ 115 V
   - 1003315

4.1 Assembly of a bell circuit

Fig. 1 Assembly of a bell circuit

Fig. 2 Circuit diagram for a bell

4.2 Assembly of a relay

Fig. 3 Assembly of a relay

Fig. 4 Circuit diagram for a relay

4.3 Assembly of a bimetallic switch circuit

Fig. 5 Assembly of a bimetallic switch circuit

Fig. 6 Circuit diagram for a bimetallic switch