ZPR-D Solar Controller
Digital on/off controller for simple solar thermal systems

- High-performance, yet low-cost solution for controlling solar heating systems
- Internal switching power supply with low consumption (approx. 7 kWh/year)
- Two sensor inputs (collector, storage tank)
- Floating relay output with varistor protection (for collector pump, max. 2 A)
- Microprocessor enables minimum ON time, minimum idle time, pump blocking protection and excess temperature protection
- Can also be used as on/off controller for wood-burning boiler pumps and other applications
- Display for collector temperature and storage tank temperature
## Technical data

### Sample application

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
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<tbody>
<tr>
<td>CP CF</td>
<td>Collector array</td>
</tr>
<tr>
<td>SF</td>
<td>Storage tank</td>
</tr>
<tr>
<td>BI</td>
<td>CW</td>
</tr>
<tr>
<td>BO</td>
<td>HW</td>
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<tr>
<td>AI</td>
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<tr>
<td>AO</td>
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</tbody>
</table>

### Inputs
- 2 inputs for temperature sensors (Pt 1000)

### Outputs
- Floating relay output, max. load 250 V AC, 2 A

### General
- Dimensions: 96 x 27 x 60 mm
- Mounting: DIN rail
- Operating voltage: 85 to 250 V, 48 to 62 Hz, max. 1 W