IZAR CENTER 60/120/250 / IZAR CENTER 60/120/250 Memory
Installation

Important Note: The IZAR CENTER device may only be installed and operated by trained personnel.

Mounting and Dismounting

IZAR CENTER is prepared for mounting on a standard rail mount.

Important Note: Disconnect power supply (16) prior to mounting or dismounting the IZAR CENTER device.

Mounting:
Clamp the IZAR CENTER device on the rail mount. The black hook at the bottom of the device should snap in firmly.

Dismounting:
Use a screwdriver to pull the black hook down. The IZAR CENTER device will snap off the rail mount and you can take it off.

Electrical Connections

Important Note: In the case of connecting LAN- and M-Bus cables over long distances or between buildings we recommend the interconnection of a lightning arrester. We qualified the following types:
- for M-Bus connections: Dehn BD48
- for LAN connections: Dehn DPA MCA T6RJ45 S48

When connecting M-Bus devices to the IZAR CENTER, you do not have to interrupt power supply

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>110..230 V AC</td>
</tr>
<tr>
<td>5,6</td>
<td>Protective earth</td>
</tr>
<tr>
<td>29,31,33</td>
<td>M-Bus output +</td>
</tr>
<tr>
<td>30,32,34</td>
<td>M-Bus output -</td>
</tr>
<tr>
<td>1</td>
<td>M-Bus Repeater input</td>
</tr>
<tr>
<td>2</td>
<td>M-Bus Repeater input</td>
</tr>
<tr>
<td>68</td>
<td>Connector for LAN</td>
</tr>
<tr>
<td>66</td>
<td>Connector for USB</td>
</tr>
<tr>
<td>67</td>
<td>Connector Mini DIN (8 pol.) for connecting PC, Modem (RS232 interface)</td>
</tr>
<tr>
<td>20</td>
<td>Sticker with serial number and MAC Adress</td>
</tr>
<tr>
<td>65</td>
<td>Black hook</td>
</tr>
</tbody>
</table>
IZAR CENTER INSTALLATION

**Power supply:** 110..230 V AC (16), Euro-Norm shock-proof plug.

**Protective Earth:** Connect clamp 5 or 6 to a protective earth potential.

**Important Note:** Protective earth must be connected to IZAR CENTER.

**M-Bus Devices:** M-Bus devices are connected to the M-Bus clamps (see table). The M-Bus is polarity independent, but you have to use one + and one - output for each branch of the M-Bus network. All M-Bus outputs are parallel.

**Repeater:** If you want to use the IZAR CENTER device as M-Bus repeater, connect the M-Bus output of another IZAR CENTER to clamp 1 and 2.

**Modem, PC:** Connect a modem to connector 67. Use the interface cable provided with your modem (maximum cable length: 10m).

**USB:** Maximum cable length 3m. Use the provided USB cable.

**Display**

The IZAR CENTER device has got a total of 5 display lights:

**M-Bus:** Indication for 0..100% M-Bus load (green), 100..130% M-Bus load (yellow, warning) and overload (red). If the yellow LED is lit up the maximum M-Bus load is reached. Do not connect any more M-Bus devices. In this state the IZAR CENTER has still full functionality. The red light signals an M-Bus overload. An overload occurs if there are too many M-Bus devices connected to the bus or if the bus lines are shortened. In this case the IZAR CENTER switches the M-Bus for approx. 2 seconds off. After that the bus load is tested and the bus is switched off again if the overload condition remains.

**Communication:** The IZAR CENTER has got four different input channels: USB, LAN, RS232, Repeater. A green lightning next to USB/LAN resp. RS232/Repeater shows an established USB resp. RS232 connection. A yellow lightning shows an established LAN resp. Repeater connection. A green lightning next to Rx/Tx shows that data is received. Sending of data is shown by a yellow lightning.

**Customer support**

A complete technical datasheet, additional information and the IZAR CENTER software are available at our download-center internet page.

HYDROMETER GmbH
Systems
Industriestraße 13
91522 Ansbach
Germany

Telefon: +49 981 1806 0
Fax: +49 981 1806 605
Email: support@hydrometer.de
WWW: http://www.hydrometer.de
http://www.hydrometer.com/systems

**Configuration Examples**