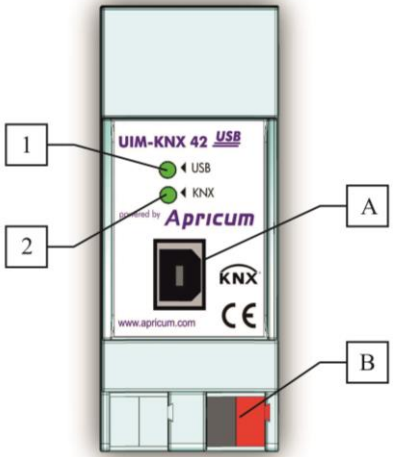


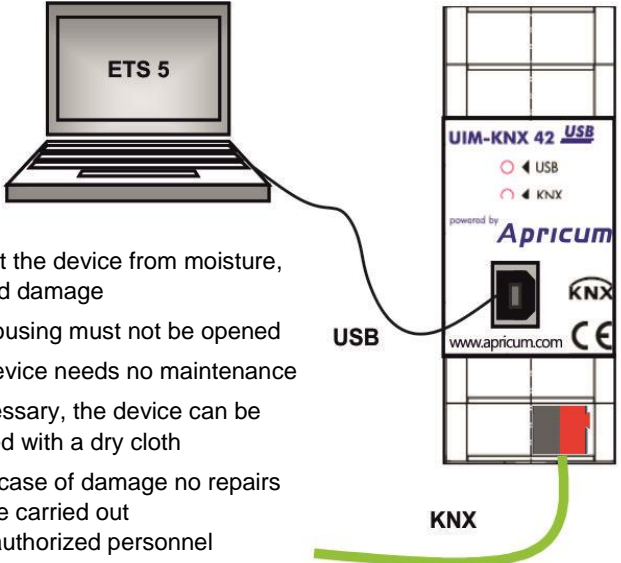


Product description and application	Connections and front side description									
<p>The <b>UIM-KNX 42</b> is an USB interface providing galvanic isolated bidirectional access to the KNX bus line. Thus, the <b>UIM-KNX 42</b> makes network configurations less time-consuming.</p> <p>With the <b>UIM-KNX 42</b> there is access to all bus devices in the KNX bus system to feature for all devices connected:</p> <ul style="list-style-type: none"> <li>• <b>Commissioning</b></li> <li>• <b>Addressing</b></li> <li>• <b>Setting parameters</b></li> <li>• <b>Visualization</b></li> <li>• <b>Protocol</b></li> <li>• <b>Diagnostic operations</b></li> </ul> <p>The connection between the KNX databus and a PC with standard software like ETS, EITT (also Raw Frame operating mode) and other software is handled by the FALCON driver. The <b>UIM-KNX 42</b> supports long messages (up to 228 byte APDU length) and ensures easy handling in software under operating systems not supported by the FALCON driver (e.g.: Linux).</p> <p>The communication protocol used for communication between interface and host is the flexible "cEMI" protocol.</p> <p><b>The UIM-KNX 42 works without external power supply!</b></p> <p>For more information on functionality of the device and technical details please see the document "Technical and Application Description" available on the Apricum website.</p>										
		<table border="1"> <tr> <td>A</td> <td>USB connector</td> </tr> <tr> <td>B</td> <td>KNX connector</td> </tr> </table>	A	USB connector	B	KNX connector	<table border="1"> <tr> <td>1</td> <td>USB connection LED</td> </tr> <tr> <td>2</td> <td>KNX connection LED</td> </tr> </table>	1	USB connection LED	2
A	USB connector									
B	KNX connector									
1	USB connection LED									
2	KNX connection LED									
Technical specifications										
<p><b>Power input</b></p> <ul style="list-style-type: none"> <li>• Power supply: KNX line, 21...30 V DC (SELV)</li> <li>• Current consumption (max.): &lt; 5 mA</li> </ul> <p>The UIM-KNX 42 is <b>supplied by the KNX bus</b> and does <b>not require any additional external AC or DC power supply</b></p> <p><b>Warning: Device may <u>not</u> be connected to 230V!</b></p> <p><b>Housing</b></p> <ul style="list-style-type: none"> <li>• Dimensions (HxWxD): 90 x 36 x 71 mm</li> <li>• Mounting (IEC60715): 35 mm top-hat rail (TH35)</li> <li>• Width in space units: 2 modules at 18 mm</li> <li>• KNX bus connection: KNX connector (red/black)</li> <li>• USB connection: USB2.0 connector (Type B)</li> <li>• Weight: 70 g</li> </ul>	<p><b>Environmental conditions</b></p> <ul style="list-style-type: none"> <li>• Working temperature: -5...45 °C</li> <li>• Storage temperature: -20...60 °C</li> <li>• Ambient humidity (non-condensing): 5...93 %</li> </ul> <p><b>Electrical safety</b></p> <ul style="list-style-type: none"> <li>• Pollution degree (IEC60664-1): 2</li> <li>• Protection type (IEC60529): IP20</li> <li>• Protection class (IEC61140): III</li> <li>• Overvoltage category (IEC60664-1): III</li> <li>• Approbation (ISO/IEC14543-3): KNX – certified</li> <li>• Device complies with EN50491-5, EN50581, EN60669, EN61000-6</li> </ul> <p><b>CE-Marking</b></p> <p>According to low voltage and EMC guidelines (residential and commercial buildings)</p>									
Mounting, commissioning and safety notes	Installation example and maintenance									
<p> The <b>UIM-KNX 42</b> interface device must be mounted and commissioned by an authorized person</p> <ul style="list-style-type: none"> <li>• For planning and construction of electric installations the appropriate specifications, guidelines and regulations in force of the respective country have to be complied</li> <li>• For mounting and dismounting only use an appropriate rail equipment according to IEC60715</li> <li>• Connect the KNX bus line as for common KNX bus connections with a KNX bus cable, to be stripped and plugged into the WAGO block</li> <li>• Take care of the electric insulations when connecting</li> <li>• Installation only in dry locations within distribution boards or enclosed housings with TH35 mounting rail</li> <li>• For commissioning use the Engineering Tool Software</li> <li>• Accessibility of the device for operation and visual inspection must be provided</li> </ul>	 <ul style="list-style-type: none"> <li>• Protect the device from moisture, dirt and damage</li> <li>• The housing must not be opened</li> <li>• The device needs no maintenance</li> <li>• If necessary, the device can be cleaned with a dry cloth</li> <li>• In the case of damage no repairs may be carried out by unauthorized personnel</li> </ul> <p>More information available at <a href="http://www.apricum.com/knx-usb-uim-knx-42">http://www.apricum.com/knx-usb-uim-knx-42</a></p>									