

## LPCLevAQConverter-Adapter

### LPCLevAQConverter-Adapter-Module

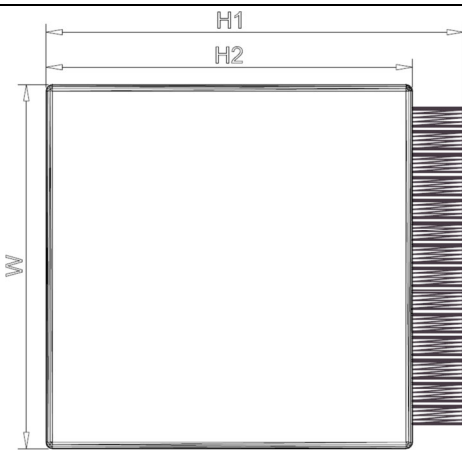
The LPCLevAQConverter-Adapter-Module is an adapter. This adapter was specially designed for the BPS series pump controllers from Levitronix with PLC interface. The adapter is simply plugged in between the pump controller and the PLC interface and converts the two analog 0-5/10V outputs into an active 4-20mA standard signal. The U/I converter is powered by the voltage supply of the digital inputs and outputs. In addition, some signals are bridged in the adapter to minimize the external wiring effort. For details on the connection, see the image under PIN assignment.



#### Key commercial data

Packing unit	1 pc
Weight per piece (excluding packing)	67g
Weight per piece (including packing)	80g
Country of origin	Germany

#### Technical data mechanically

Width (W)	60mm
Height (H1)	61,5mm
Height (H2)	54mm
Depth (D)	20mm
	
Ambient temperature (operation)	0°C ... 40°C
Ambient temperature (storage/transport)	-20°C ... 70°C
Relative humidity	90% without condensation
Mounting position	any



LPCLevAQConverter-Adapter

LPCLevAQConverter-Adapter-Module

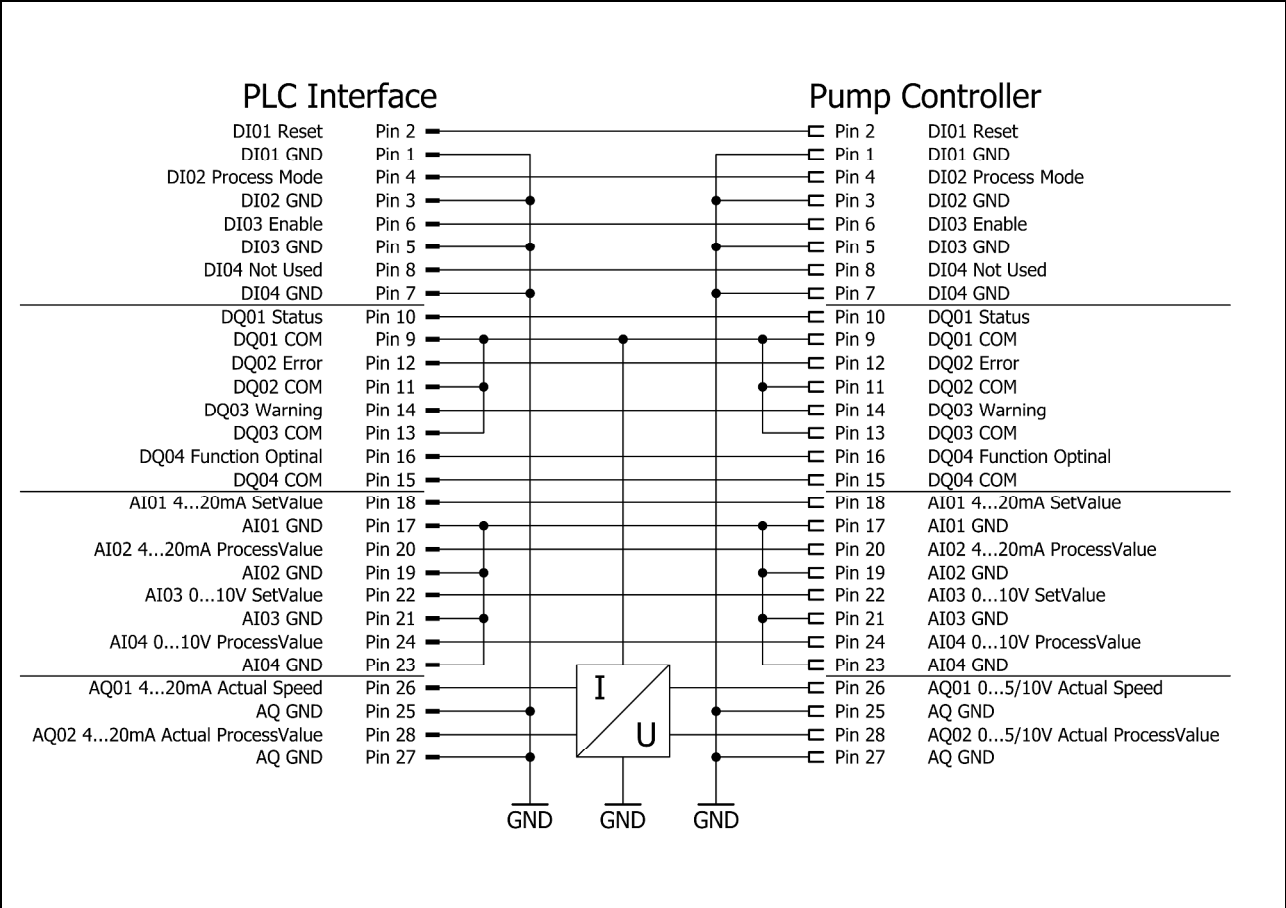
Technical data electric

Nominal voltage $U_N$	15V ... 36V DC stabilized $\pm 0,2V$
Nominal current $I_N$	max 75mA
Standard signal AQ	4...20mA
Load $R_{AQ}$ 4...20mA	$\leq 470\Omega$
Protection class	IP20
Connection data PLC Interface	
Connection type	Weidmüller 1729060000
Connection data Pump Controller	
Connection type	Weidmüller 1277590000

Standards and Regulations

Standards/regulations	EN IEC 61000-6-2: 2019
	EN 61000-6-3: 2007 +A1:2011 +AC:2012
	EN 50178: 10/97


PIN assignment








## LPCLevAQConverter-Adapter

### LPCLevAQConverter-Adapter-Module

#### Functionality of the adapter

	<p>You can select either the 0-5V or 0-10V signal, which is output by the pump controller, using the two DIP switches. The setting must match the actual signal, otherwise no correct or no 4-20mA standard signal will be provided at the analog outputs. The DIP switch „1“ is for the analog output 01 and the DIP switch „2“ is for the analog output 02. The two DIP switches do not affect each other in any way and are always set to „off“ from the factory.</p> <p>DIP switch „on“: The 0-5V signal is converted into a 4-20mA standard signal.  DIP switch „off“: The 0-10V signal is converted into a 4-20mA standard signal.</p>
---	--

#### Safety regulations and installation notes

	<p>Before startup please ensure:</p> <ul style="list-style-type: none"> <li>• Only skilled persons may install, start up and operate the device.</li> <li>• Observe the national safety and accident prevention regulations.</li> </ul>
	<p><b>WARNING: Danger to life by electric shock!</b></p> <ul style="list-style-type: none"> <li>• Never carry out work when voltage is present.</li> <li>• Protect the device against foreign bodies penetrating it.</li> </ul>
	<p><b>NOTE: Danger if used improperly!</b></p> <ul style="list-style-type: none"> <li>• The device is a built-in device.</li> <li>• The IP20 degree of protection (IEC 60529/EN 60529) of the device is intended for use in a clean and dry environment. Do not subject the device to any load that exceeds the described limits.</li> <li>• Observe mechanical and thermal limits.</li> <li>• Ensure that the primary-side wiring and secondary-side wiring are the correct size and have sufficient fuse protection.</li> </ul>
	<ul style="list-style-type: none"> <li>• It is not permissible to open or modify the device. Do not repair the device yourself but replace it with an equivalent device. Repairs may only be carried out by the manufacturer. The manufacturer is not liable for damage resulting from violation.</li> <li>• The device may only be used for its intended use.</li> </ul>
	<p><b>NOTE: Electrostatically sensitive components!</b></p> <ul style="list-style-type: none"> <li>• Contains parts and assemblies that can be damaged by electrostatic discharge ESD.</li> </ul>



**LPCLevAQConverter-Adapter**  
LPCLevAQConverter-Adapter-Module

Pictures

