The AX-LS-Nxx are a range of Liquid Level Float switches for level switching of various liquids in tanks, shafts etc. The units are water resistant and (according to version) suitable for use with clean, drinking or waste water. The float contains a micro switch inside a water tight enclosure and is connected by a flexible cable. These switches can be used for a variety of different control tasks such as liquid level monitoring and pump control.

**Features**
- Easy installation
- High or low level alarm
- Standard 5, 10 or 20m cable options
- IP68 protection

**Product overview**

**Features**
- Standard 5, 10 or 20m cable options
- IP68 protection

**Product specifications**

- **Standard Cable Length:** 5, 10 or 20 metres
- **Switching Element:** Microswitch
- **Float Material:** Polypropylene
- **Protection Class:** IP68
- **Medium Density:** 0.8 g/cm³
- **Ambient Temperature Range:** 0 to +50°C
- **Electrical Life-span:** 10,000,000 operations
- **Cable:** 9mm outside diameter, with 3 off 1mm² wires
- **Dimensions:** See dimensional drawings
- **Country of Origin:** EU

**Media:**
- **AX-LS-NLP** Liquids with low solid content
- **AX-LS-NLN** Drinking Water
- **AX-LS-NWN** Waste Water

**Cable Material:**
- **AX-LS-NLP** PVC
- **AX-LS-NLN** Neoprene
- **AX-LS-NWN** Neoprene (Not applicable)

**Float Material:**
- **AX-LS-NLP** Polystyrene
- **AX-LS-NLN** Polystyrene
- **AX-LS-NWN** (Not applicable)

**Pressure Rating:**
- **AX-LS-NLP** 1 bar maximum
- **AX-LS-NLN** 1 bar maximum
- **AX-LS-NWN** 2 bar maximum

**Contact Rating:**
- **AX-LS-NLP** 10(4)A, 250Vac
- **AX-LS-NLN** 10(4)A, 250Vac
- **AX-LS-NWN** 10(3)A, 250Vac

**Switching:**
- **AX-LS-NLP** ± 45° angle
- **AX-LS-NLN** ± 45° angle
- **AX-LS-NWN** 400mm differential

**Order codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AX-LS-NLP-105</td>
<td>Float level switch for low solid content liquid - 5 metre PVC cable</td>
</tr>
<tr>
<td>AX-LS-NLP-110</td>
<td>Float level switch for low solid content liquid - 10 metre PVC cable</td>
</tr>
<tr>
<td>AX-LS-NLP-120</td>
<td>Float level switch for low solid content liquid - 20 metre PVC cable</td>
</tr>
<tr>
<td>AX-LS-NLN-105</td>
<td>Float level switch for drinking water - 5 metre Neoprene cable</td>
</tr>
<tr>
<td>AX-LS-NLN-110</td>
<td>Float level switch for drinking water - 10 metre Neoprene cable</td>
</tr>
<tr>
<td>AX-LS-NLN-120</td>
<td>Float level switch for drinking water - 20 metre Neoprene cable</td>
</tr>
<tr>
<td>AX-LS-NWN-105</td>
<td>Float level switch for waste water - 5 metre Neoprene cable</td>
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<tr>
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</tr>
<tr>
<td>AX-LS-NWN-120</td>
<td>Float level switch for waste water - 20 metre Neoprene cable</td>
</tr>
</tbody>
</table>

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Sales@annicom.com
Liquid Level Float Switches

Installation
Installation must be carried out by a suitably trained electrician, and in accordance with the relevant statutory regulations in place.

Any desired liquid level can be achieved by moving the cable fixture in an up or down direction - see installation diagrams.

1. Ensure that all power is disconnected before carrying out any work on the float switches.

2. For AX-LS-NLx switches:- Insert the cable through the counterweight from the conical end and rotate it, thus causing the plastic ring inside to become detached. The ring should then be positioned at the point where it is desired to hold the counterweight. Using slight pressure, force the counterweight onto the plastic ring to hold it in place. The desired on/off differential is obtained by simply lengthening or shortening the cable fixture point.

Dimensions and Installation

Every effort has been taken in the production of this data sheet to ensure accuracy. Axio do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.

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