Actuator LA36/LA37
Endstop signals and absolute positioning - Analogue feedback
Connection diagram
Connection diagram

36XXXX+2B/2CXXXXXX
36XXXXXXXXB00/C00XX-XXXXXXXXXXXXXXXXXX
37XXXX+2B/2CXXXXXX

*YELLOW/GREEN: Endstop signals out are NOT potential free

**Tip:** If you wish to use the endstop signals, you will have to keep power on the brown, blue, red and black wires, otherwise the signal will be lost.
# I/O Specifications

<table>
<thead>
<tr>
<th>Input/Output</th>
<th>Specification</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>The actuator can be equipped with electronic circuit that gives an analogue feedback signal when the actuator moves. See connection diagram, figure above</td>
<td></td>
</tr>
</tbody>
</table>
| **Brown** | 12, 24 or 36* VDC (+/-)  
*Only available on LA36  
12V ± 20%  
24V ± 10% | To extend actuator:  
Connect Brown to positive  
To retract actuator:  
Connect Brown to negative |
| **Blue** | 36V ± 10%  
Under normal conditions:  
12V, max. 26A depending on load  
24V, max. 13A depending on load | To extend actuator:  
Connect Blue to negative  
To retract actuator:  
Connect Blue to positive |
| **Red** | Signal power supply (+) 12-24VDC | Current consumption:  
Max. 60mA, also when the actuator is not running |
| **Black** | Signal power supply GND (-) | |
| **Green** | Endstop signal out | Output voltage min. V_{IN} - 2V  
Source current max. 100mA  
NOT potential free |
| **Yellow** | Endstop signal in | |
| **Violet** | Analogue feedback  
0-10V (Option B)  
0.5-4.5V (Option C) | Tolerances +/- 0.2V  
Max. current output: 1mA  
Ripple max. 200mV  
Transaction delay 20ms  
Linear feedback 0.5%  
It is recommendable to have the actuator to activate its limit switches on a regular basis, to ensure more precise positioning |
| **White** | Not to be connected | |

---

For mounting instructions and guidance in usage, please see the relevant user’s manuals.
Terms of use

The user is responsible for determining the suitability of LINAK products for specific application. LINAK takes great care in providing accurate and up-to-date information on its products. However, due to continuous development in order to improve its products, LINAK products are subject to frequent modifications and changes without prior notice. Therefore, LINAK cannot guarantee the correct and actual status of said information on its products. LINAK uses its best efforts to fulfill orders, but cannot, for the same reasons as mentioned above, guarantee the availability of any particular product. Therefore, LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or other written material drawn up by LINAK.

All sales are subject to the Standard Terms of Sale and Delivery for LINAK. For a copy hereof, please contact LINAK.