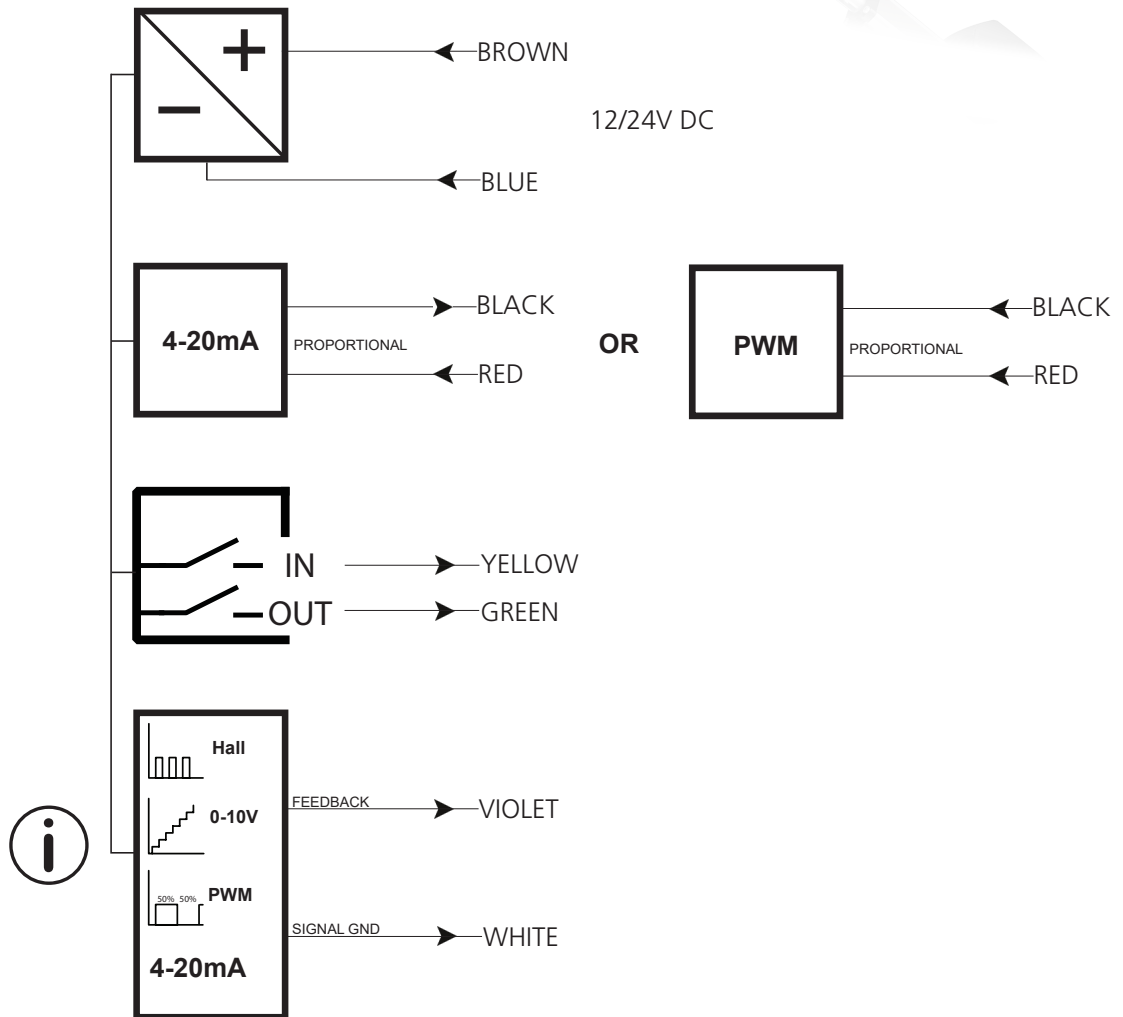




Actuator LA33
Proportional control
Connection diagram

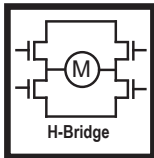
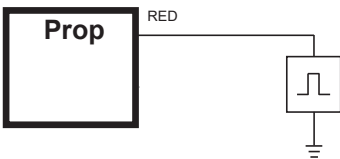
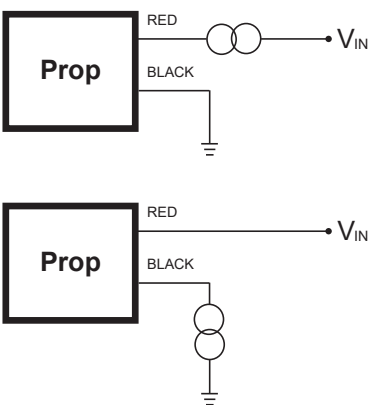
Connection diagram

33XXXXXXXXXX3XXX=XXXXXX34/5XXXX



Please be aware that if the power supply is not properly connected, you might damage the actuator!

I/O Specifications

Input/Output	Specification	Comments
Description	<p>Easy to use interface with integrated power electronics (H-bridge).</p> <p>The actuator is speed controlled by means of a PWM or 4-20mA signal.</p> <p>Proportional provides a wide range of possibilities for customisation.</p> <p>See connection diagram, figure above</p>	
Brown	<p>12-24VDC + (VCC)</p> <p>Connect Brown to positive</p> <p>12V ± 20%</p> <p>24V ± 10%</p> <p>12V, max. 13A - current cut off @ 15A</p> <p>24V, max. 9A - current cut off @10A</p>	<p>Note: Do not change the power supply polarity on the brown and blue wires!</p> <p>Power supply GND (-) is electrically connected to the housing</p> <p>If the temperature drops below 0°C, all current limits will automatically increase to:</p> <p>20A for 12V</p> <p>15A for 24V</p>
Blue	<p>12-24VDC - (GND)</p> <p>Connect Blue to negative</p> <p>12V ± 20%</p> <p>24V ± 10%</p> <p>12V, max. 13A - current cut off @ 15A</p> <p>24V, max. 9A - current cut off @10A</p>	
Red Black	<p>PWM:</p> 	<p>Signal levels:</p> <p>> 10V = High</p> <p>< 2V = Low</p> <p>with reference to power GND (blue)</p> <p>Equivalent input resistance ≈ 22k</p> <p>Frequency: Min. 100Hz</p> <p>Max. 1000Hz</p> <p>Overcurrent protected, reverse voltage protected</p>
	<p>4-20mA:</p> 	<p>Sinking current with reference to power GND (blue)</p> <p>Common mode voltage: GND to V supply</p> <p>Equivalent input resistance ≈ 135ohm</p> <p>Overcurrent protected, reverse voltage protected</p>

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.

While LINAK uses its best efforts to fulfill orders, LINAK 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.