LINEAR ACTUATOR

Installation and connection manual

Technical parameters

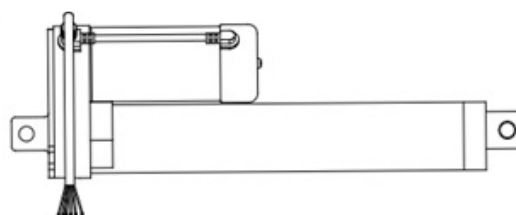| Voltage	12/24V DC Motor
Max. Load	250 N
No load speed	27.6 mm/s
Rated speed	23.5 mm/s
Stroke	50, 100, 150, 200, 250, 300 mm
Duty Cycle	25%
Gear Ratio	10:1
Protection class	IP54

Aluminum Extension & Outer Tubes

Clevis to Clevis Mounting

The actuator will extend when the red wire connects to positive electrode and black wire to negative, reverse them forretraction.
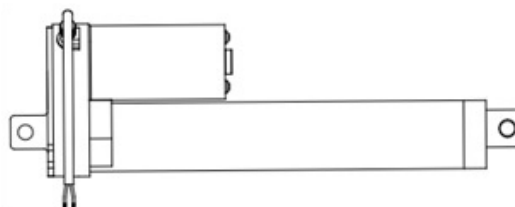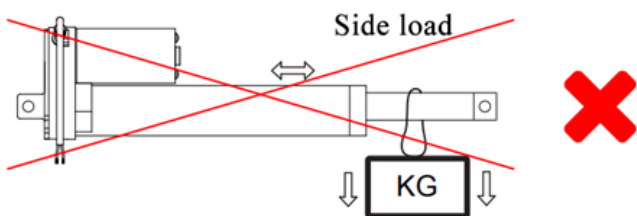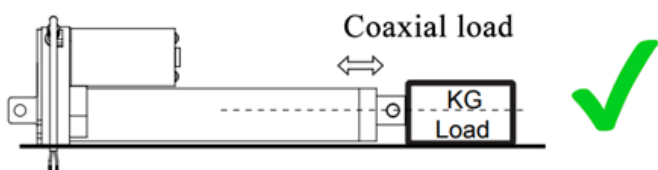
Standard

With Hall sensors

Load diagrams

The load should be centered on the operating direction.Do not apply side load.

Note

The appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge,unless they have been given supervision or instruction. Children should be supervised not to play with the appliance.

Important

- Disconnect the mains plug before set up.
- Use correct DC voltage.
- Working temperature :-26 C~65 C
  Duty Cycle of each motor : 25%, 2.5 minutes
- continuous operation followed by 7.5 minutes rest.

SMART MOTOR DEVICES
DRIVERS AND CONTROLLERS FOR ELECTROMOTORS
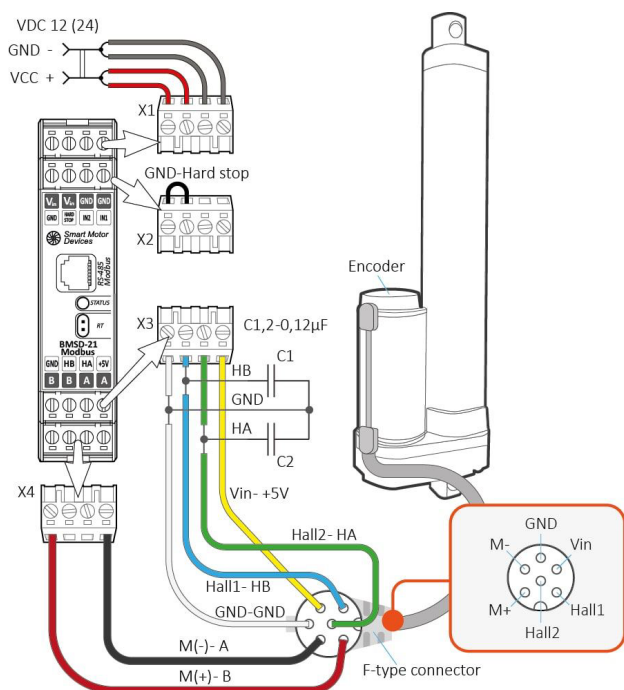
Connection

Power wires	Red	DC Power	Connect red wire to "Vdc +" & black wire to "Vdc -" of DC power toextend the actuator. Switch the polarity of DC input to retract it.
	Back		
Hall sensors signal wires	Yellow	V_{in}	Voltage input range: 3.5 … 20V
	Blue	Hall sensor 1 output	The signal wires output should connect the pull-up resistor to the operating voltage (Vcc) of the system. (10KΩ resistor is recommended)
	Green	Hall sensor 2 output	**Wiring** High= Determined by Vcc and the pull-up resistor.
	White	GND	

Connection diagram