

## M04 Thruster

The M04 thruster has been proven on the most challenging waters. Nothing compares to the overall feel of these durable, precise controls. A perfect choice for use on the most exquisite yachts, rough water combat ships and every vessel in between.

A masterpiece of construction:

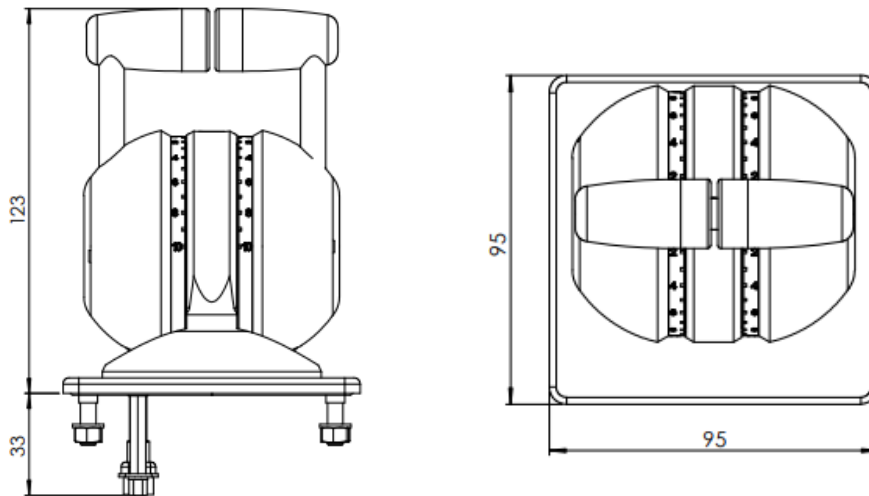
- **Precision control** – The consistent smooth friction, and exact detents will ensure effortless control over the vessel.
- **Premium look** – Brushed black anodized aluminum finish on panel plate.
- **LED Illumination** – Dimmable LED illumination guarantees effortless readout in every situation.
- **Safety first** – Can be equipped with dual independent hall-effect sensors.

Other features making M04 irresistible:

- Single or double thruster
- Hall-effect sensor or potentiometer
- Made in Sweden



### Standard dimensions



### Specifications

Handle movement	+/-90°
Indicator	10-0-10
Detent	On zero
Materials	Black anodized aluminum, POM handle, PMMA scale. White illuminated scale with black numbers
Sensors	Hall effect sensor / Potentiometer
Enclosure	IP66 from panel and above
LED	Green, voltage dimmable LED 8-24VDC
Connector	D-Sub 25-pole male
Sensor	Hall effect Sensor (M04-H) Potentiometer (M04-P)
Standard versions	Single thruster M04AH-H (Hall), M04AH-P (Pot.) Double thruster M04-H (Hall), M04-P (Pot.) (recommended load 4,7-100K)
Other options	Customer logo side shields

## Pin Configuration

### Dual Independent Hall sensors

1. In-A +5VDC (Red)
2. GND-A (STBD Black)
3. Out-A (STBD White)
4. In-B +5VDC (STBD Green)
5. GND-B (STBD Yellow)
6. Out-B (STBD Blue)
8. In-A +5VDC (PORT Red)
9. GND-A (PORT Black)
10. Out-A (PORT White)
11. In-B +5VDC (PORT Green)
12. GND-B (PORT Yellow)
13. Out-B (PORT Blue)
14. +24V LED (Green)
15. GND LED (Black)

Wiring diagram 231002

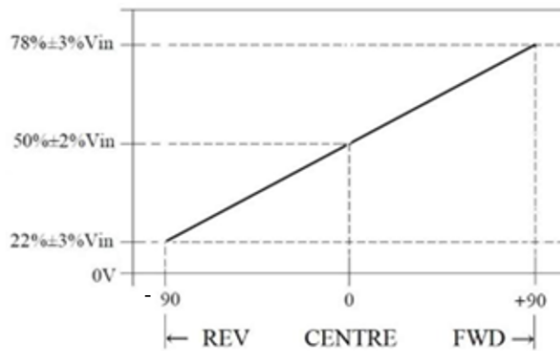
### Potentiometer

1. +5V (STBD Blue)
2. GND (STBD White)
3. Thrust R (STBD Grey)
5. GND (PORT Purple)
6. +5V (PORT Brown)
7. Thrust L (PORT Pink)
14. +24V LED (Green)
15. GND LED (Black)

Wiring diagram 231003

## Output options

### Potentiometer



### Hall-effect

