

## SUPER SEALED

The new single axis joystick C16 is a result of 20 years' experience of the toughest usage conditions. The heart of the joystick, the electronics, is totally sealed. To make it even more durable, the special rubber gaiter is protecting the joystick in totally and are tightly sealed to panel.

### Virtually indestructible:

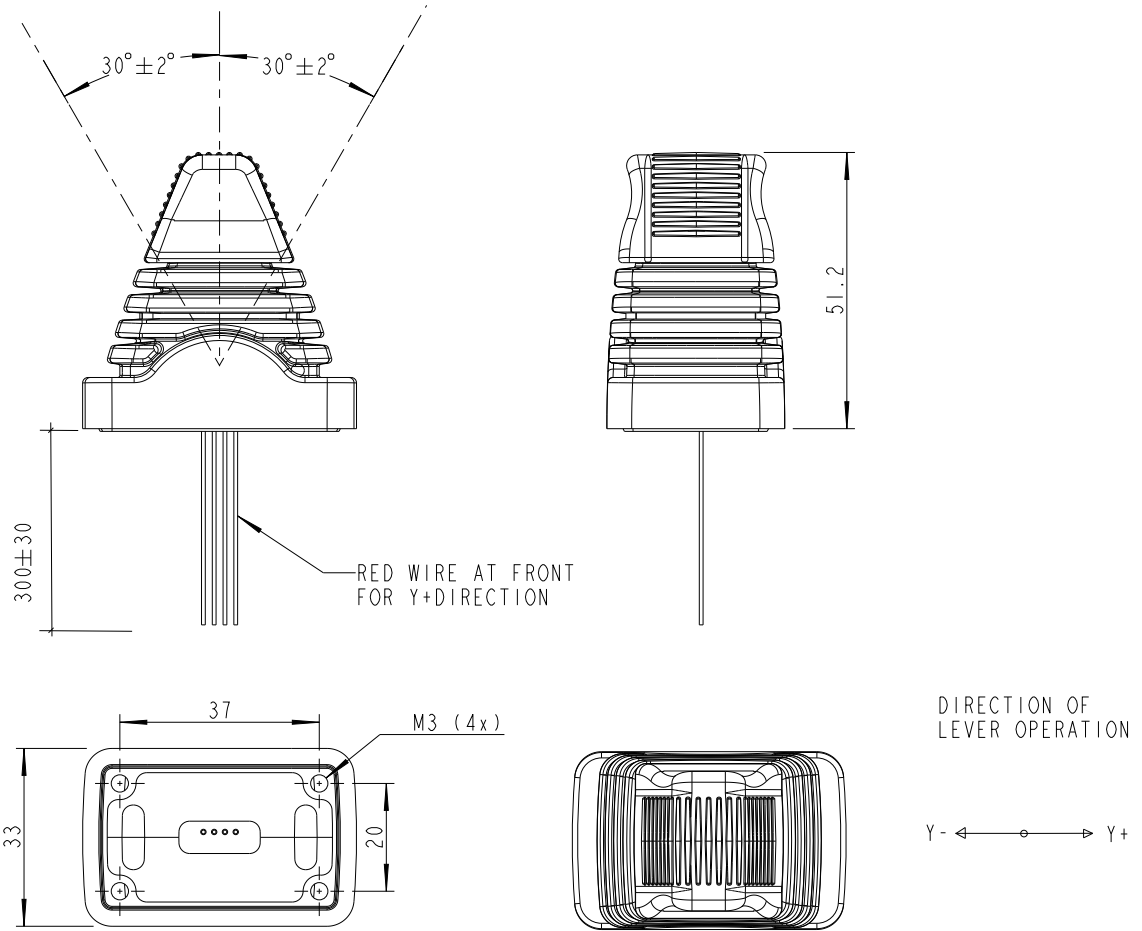
- **Protected electronics** – Circuit board and electronics are potted with compound which protects them from threats such as salt, mist, water, lubricants and virtually all chemicals.
- **Almost indestructible** – Our engineers put it through an extreme durability test. We pulled and pushed the knob in all directions until it snapped off, at very high loads. However, at all times the only thing that had happened was that the knob had snapped out of gear. With a simple push, the joystick was fully functioning again.
- **A tight seal** – A rubber gaiter is protecting the joystick and tightly seals it towards the panel when the joystick is fitted.
- **The best materials** – The best material has been chosen for each component. The rubber mixture endures the toughest conditions.

### Other features making C16 irresistible:

- Sealed panel mounting
- Made in Sweden

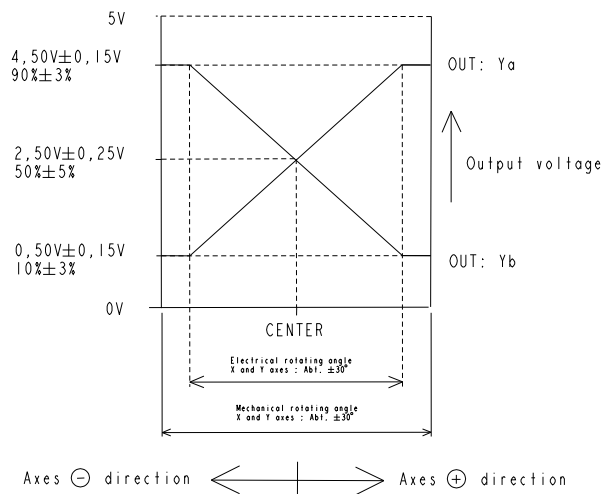


# » C16



## » Output options

### OUTPUT CHARACTERISTICS



## » Specifications

### Mechanical and electrical specifications

Mechanical operating angle	X / Y axis: $\pm 9^\circ, \pm 12^\circ$ or $\pm 20^\circ$
Lever strength	Max. 500 N static load
Life expectancy	5,000,000 full operations
Sensor type	Hall effect
Total current consumption	17 mA—22 mA
Applied voltage	5 VDC $\pm 10\%$
Load resistance	4.7 k $\Omega$ —100 k $\Omega$ pull down
Effective output	Standard 10% - 90% $V_{in}$ , other ratios on request
Resolution	Essentially infinite

### Environmental specifications

Operating temp. range	-40°C ~ +85°C
Storage temp. range	-40°C ~ +85°C
EMC	100V/m
ESD	$\pm 8$ kV (contact discharge) $\pm 15$ kV (air discharge)