RIM DRIVE TECHNOLOGY

Manual

Finger Joystick

PERFORMANCE

MECHANICAL

		Long handle	
Breakout force	**N**	2.3*	
Operating force	**N**	3.4*	Full deflection
Maximum allowable force	**N**	35*	Full deflection
Lever operating angle	**°**	±30 (or 0-60)	
Lever action		Self centering or end return	
Expected life (operations)		>5 million	
Weight	**g**	45	

*At top of handle

ENVIRONMENTAL

Operating temperature	**°C**	-25 to +70
Storage temperature	**°C**	-40 to +85
Environmental protection above flange		IP66† IEC 60529

†Seal integrity can only be achieved when using sealing gasket supplied and screws are tightened to 1Nm. Sealing gasket not required when neoprene boot is fitted to short handle version.

ELECTRICAL

Analogue Track

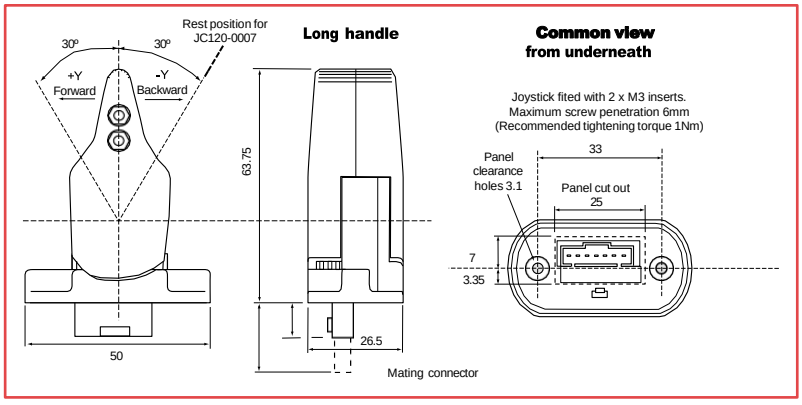
Resolution		Virtually infinite
Track resistance (±20%)	**kΩ**	4 or 5
Track electrical angle	**°**	±28
Output voltage range	**%**	0-100, 10-90 or 25-75 of input (±2%)
Center tap voltage (no load)	**%**	48 - 52 of applied voltage
Center tap angle	**°**	2.5 either side of center
Supply voltage - maximum	**Vdc**	32
Wiper circuit impedance	**MΩ**	Greater than 0.1**
Power dissipation @ 20°C	**W**	0.25 (no load)

** The long life resistive elements require a high impedance load in the wiper circuit to minimise the current flowing through the wiper for optimum conditions

Switch - Directional or Center Off

Switch operating angle	**°**	5 either side of center
Supply voltage - maximum	**Vdc**	35
Load resistance - minimum	**kΩ**	10
Load current - maximum	**mA**	2 (resistive)
Typical contact resistance	**Ω**	150

DIMENSIONS AND MOUNTING OPTIONS



RIM DRIVE TECHNOLOGY

Uncompromised
Electric Motors