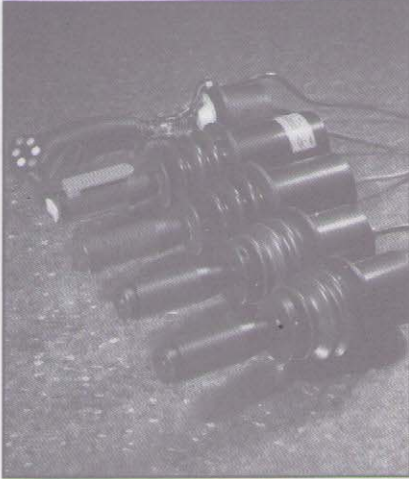




HD-Series Heavy Duty Joysticks



Offer precise operation and safe control for robust industry applications.

HD Inductive joysticks are essentially scaled up versions of the finger-operated I-Series Inductive joysticks. They are intended for heavier-duty, hand operated applications.

As heavy industry becomes more familiar with electronic control techniques and the use of smaller joysticks, some applications may be common to both types. The HD-Series can be customised to suit the precise needs of an industry application where needed.

HD Units are to be preferred when:

- The environment of a particular application, or customer and/or practice, requires larger hand-operated units, capable of withstanding some slight abuse.
- Users wear heavy gloves or operate other large controls.
- More functions are required in the handle than can be provided by the smaller I-Series range.
- More complex signals, such as current or voltage references, are required.

Note: there are considerable direct cost savings to be had in using I-Series units, where technically or ergonomically appropriate, as well as indirect cost savings in terms of panel space, shipping and handling costs, etc.

For more information on the electronic and mechanical specification and ordering, visit www.pmlflightlink.com.

COMMON FEATURES INCLUDE:

- Ergonomic designs
- Rugged
- Long life
- Highly responsive
- Smooth centreing
- Low profile
- Simple installation
- EMC protected
- Sealed to IP65
- Built-in safety features
- Single, dual & third axis versions

TYPICAL APPLICATIONS

- Construction machinery
- Cranes
- Access platforms

For further information ►



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SPECIFICATIONS

ELECTRONIC SPECIFICATION

*Supply Voltage (Vs)	4.7 V to 15 V max 12.00V to 48V (Zener stabilized, non ratiometric)
Signal Swing	±10% to ±50% of supply, or Zener supply
Output Impedance	<1.8k Ohms ±1%
Preferred Load	10k Ohms to infinity
Centre Tap Impedance	340 Ohms ±1%
Signal Ripple	1% of Output
*Current Drain	15mA typ (Vs = 10V) (standard)
*RFI Rejection	>30V/M properly installed
*ESD Immunity	10kV properly installed
*Signal Matching (DD)	<5% of Maximum Swing
*Operating Temperature	-20°C to +55°C
PCB / Components	Surface Mount

*Some parameters depend on precise specifications - please refer to PML FlightLink for details

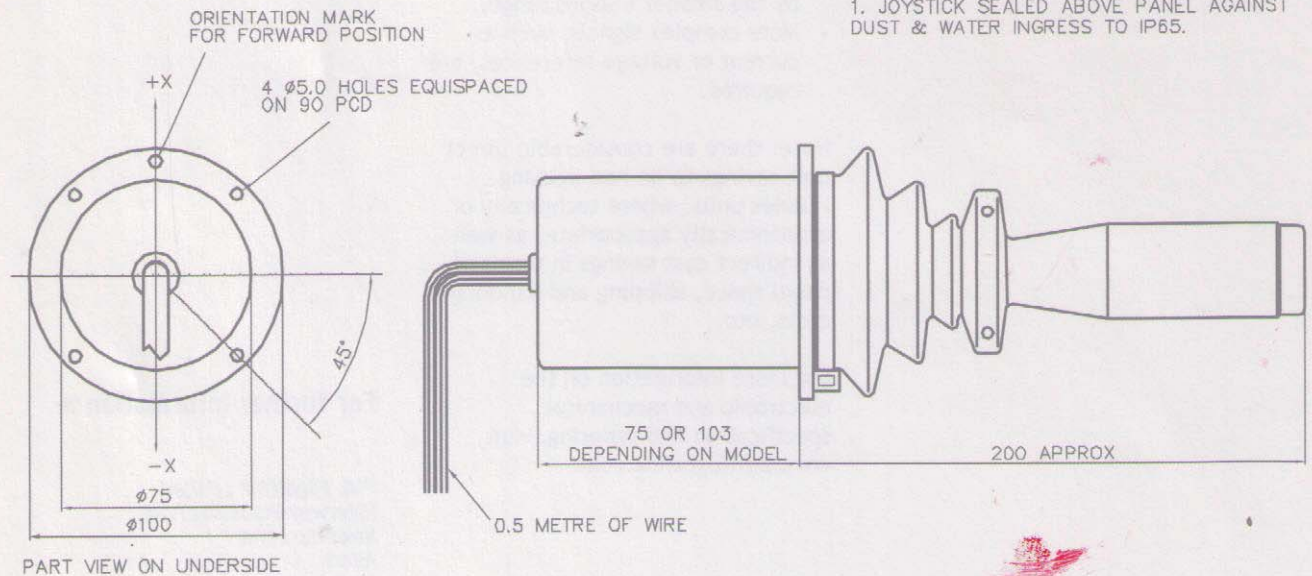
MECHANICAL SPECIFICATIONS

Body	Glass-filled Nylon
Bezel	Acetal
Gimbal	Acetal
Gimbal Pins	Hardened Steel
Coil Formers	Acetal
Gaiter (boot)	PVC
Lever	303 Stainless Steel
Spring	Stainless Steel
Screening Can	Aluminium
Grommet	PVC
Flex Insulation	PVC
Flex Conductors	14/0.12-Tinned Copper

PERFORMANCE CHARACTERISTICS AND DATA

For more information visit our website www.pmlflightlink.com. Precise figures will be qualified upon receipt of customer's specific application requirements.

All dimensions in mm. All weights in kg.



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