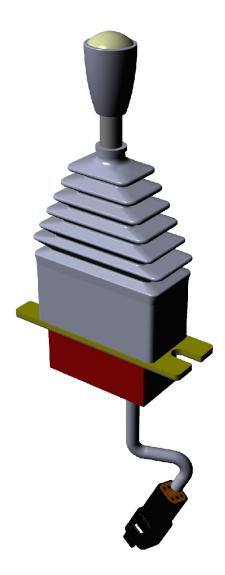
Single axis joystick with signal output



Description

MAS2 is a single axis electronic joystick with voltage signal output.

Joystick command is based on the measurement of the magnetic field of a permanent magnet through redundant Hall effect probes, not subject to wear and tear.

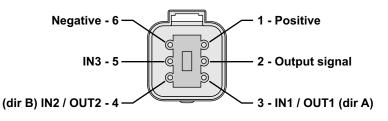
Main characteristics:

- single output voltage signal.

- available ranges are: 0+5V, 0+10V, 5+0+5V, 0.5+2.5+4.5V or any other range within 0+10V;
- ratiometric (25%÷50%÷75% of supply voltage).
- output curve shape: linear or parabolic (selectable);
- ramps on signal adjustable from 0 to 25 s (step 0.1 s);
- input usable for:
 - speed reduction (calibration adjustable for each side);
 - block one or both sides of signal output;
- deadman feature (to be activated before moving the lever);
- lever with friction version available (retained lever);
- high current digital directional outputs, usable as FAULT signal;
- all working parameters are programmable through a serial port and the Windows® SepSim program using a special serial port adapter (AISR).

For direct PWM outputs the version "MAP2" is available.

Connections



Technical specifications

10 ÷ 30 Vdc
-40 ÷ +70 °C
0÷5V, 0÷10V, (any value in 0÷10V), ratiometric (Danfoss [®] signal)
10 mA
2000 mA
Vt-(In1, In2, In3)~2V / Vt+(In1, In2)~3V / Vt+(In3)~80% Supply Voltage
cable L=20 cm with Deutsch DT04-6 connector
± 26 degrees
20 N
IP65
ISO EN 14982:2009

FABER-COM srl - Via Romana 36/1 - 42028 Poviglio (RE) - Italy Tel. +39-0522-960428 Fax. +39-0522-969644 - www.fabercom.it

Working mode

MAS2 joystick can generate almost any output signal in a programmable range all contained within 0 and 10V. Ratiometric output (25%÷50%÷75% of supply voltage) is also available for Danfoss[®] devices.

Dead band, signal range, ramps, output shape (linear or parabolic) and other parameters are adjustable. Setting can be changed using a PC with the SepSim Windows[®] program and a special serial port adapter with M8 connector (code: PISPR).

The electronic card is protected against short-circuits of the load.

The MAS2 joystick can be ordered with different configuration of output signal, ready to use.

Ask for a special configuration.

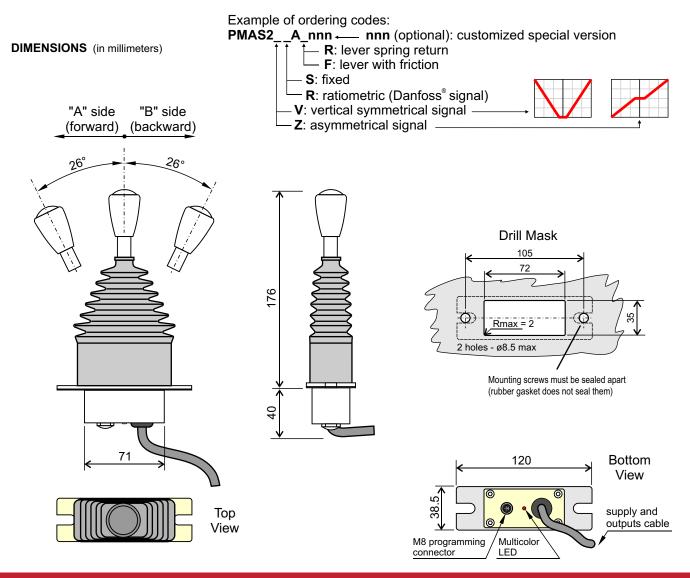
Signaling

A multicolor LED under the mounting panel is lit when the joystick is supplied and gives information on the status of the device with a coded series of colored flashes.

Accessories:

- Kit with male mating connector Deutsch DT6-6 way (with female contacts). Code: PCVMDT6

- AISR: serial port adapter with M8 connector (to adjust settings). Code: PISPR



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