Unify Electronic
Design and Engineering
Electronic Equipment

PEP

Proportional Electric Pedals

General:

The remote control electric proportional to pedal Hall Effect Series PEP are made to operate in the toughest environments possible. The sensors and electronic components are in fact insulated in class IP68S and are positioned in the lower part of the body, which in turn is separated from the upper diaphragm via a rigid plastic watertight.
The pedal is made of sturdy stamped sheet steel with anticorrosive surface treatment and the oscillation pin is equipped with a protective anti-seize that to prevent the ingress of solid particles from the outside.
The proven Hall Effect technology combined with a system of modular electronics allow you to configure the curves adjustment in output in formats analog, PWM, CAN bus, USB in standard and customized.
This technical catalog applies to versions with output signals in analog format and PWM, for other configurations please contact our technical department.
The Hall effect sensors are fully protected against electromagnetic interference and radio frequency interference (EMI and RFI) up to 100 V / M.
Dead angles of pre-stroke and extra-stroke and start points and end adjustment are programmable with very tight tolerances that allow to minimize the hysteresis band and to ensure the perfect repeatability in any operating condition.
The remotes Foot Series PEP thanks to their design and construction and operational performance are a unique product of its kind on the market.

Features:

• Rugged steel pedal with anti-corrosion treatment
oscillation sealed
technology in non-contact Hall effect
and mechanical endurance of 9,000,000 cycles
effect sensors and electronics board and sealed with
diaphragm seal with respect to the movable upper part.
Electronics isolated in the classroom IP68S
of pre-running, non-running and start points and end adjustment
programmable
Automated Programming of the sensors to ensure a tolerance
Minimum values of the curves adjustment in output
• Output Signals Analog, PWM, CANbus and USB
• Comprehensive protection EMI / RFI up to 100V / M
• Protection against reverse polarity • RoHS & WEEE

• Pin
• Proven
• Electrical
• Hall
•
• Blind spot
•

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SPECIFICATIONS:

MIN	TIPICO	MAX
9.000.000 di cicli		
N/A	N/A	10,00
N/A	100,0	N/A
4,50	5,00	5,50
8,00	12,00	18,00
-0,15	N/A	+0,15
-0,15	N/A	+0,15
5,00	N/A	30,00
1	2	3

ELECTRICAL:

electrical Life
Supply current for each sensor
Output resistance (@ I = -2 mA) (Ω)
Analog supply voltage (option 1) (VDC)
Analog supply voltage (option 2) (VDC)
Tolerance analog signal output to the center (VDC)
Tolerance analog signal output will go (VDC)
Circuit voltage micro zero outside (VDC)
Angle of activation of the micro outside zero (°)

MECHANICAL:

mechanical life
Nominal angle adjustment (model bidirectional) (°)
Nominal angle adjustment (model unidirectional) (°)
Angle of pre-race (°)
Angle-travel (°)
Control force (N) @ -40 ÷ 85 ° C on I / A @ 6,5 °

ENVIRONMENTAL:

Ambient temperature (° C)
Storage Temperature (° C)
Humidity test
Resistance to vibrations
Class of insulation
Compatibility RFI (excluding options 3 and 5)
Compatibility EMI compliance to

Curves adjustment in output:

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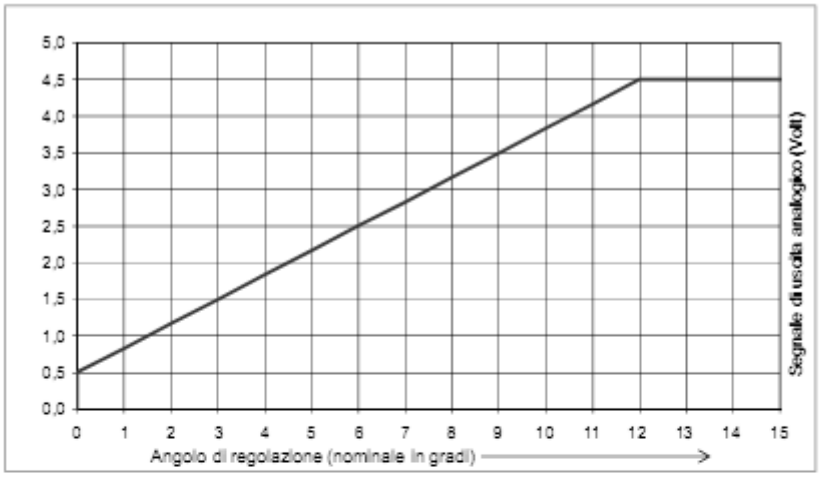
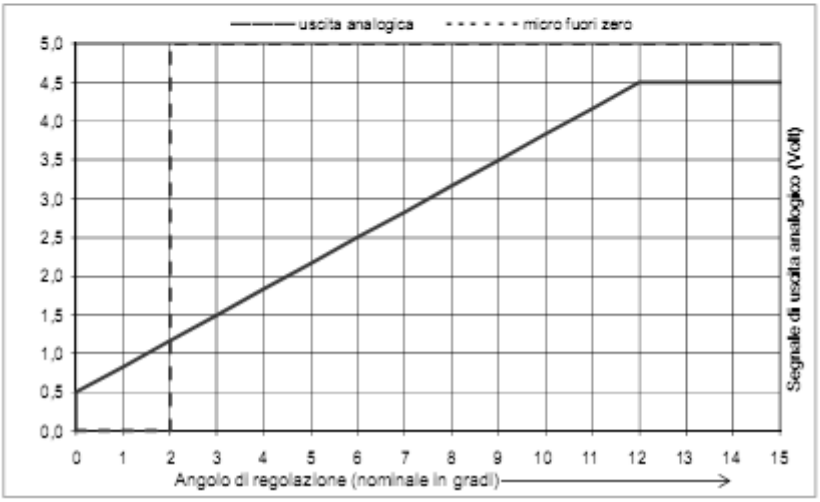
Curva di regolazione A - Per pedale unidirezionale (zero - max.)



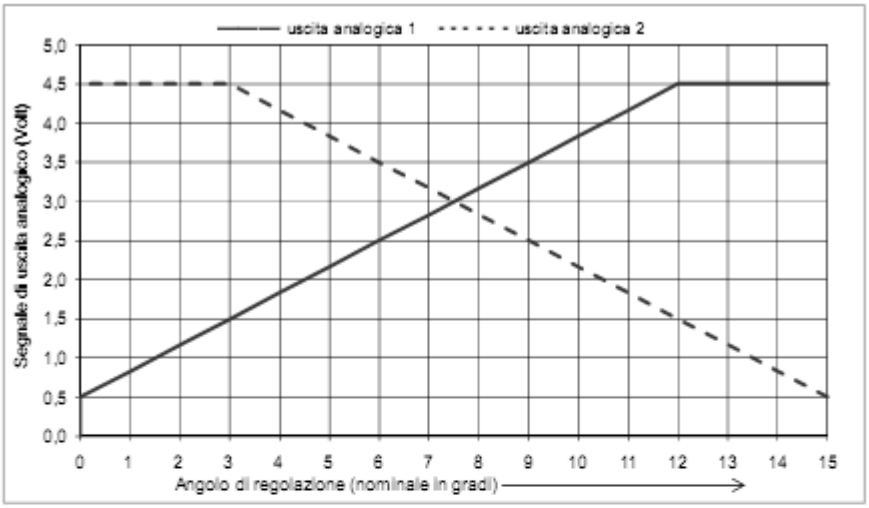
Curva di regolazione B - Per pedale unidirezionale (zero-max.) e micro di fuori zero



Curves adjustment in output:

Proportional Electric Pedals

Curva di regolazione C - Per pedale unidirezionale e 2 segnali di uscita (zero-max.)

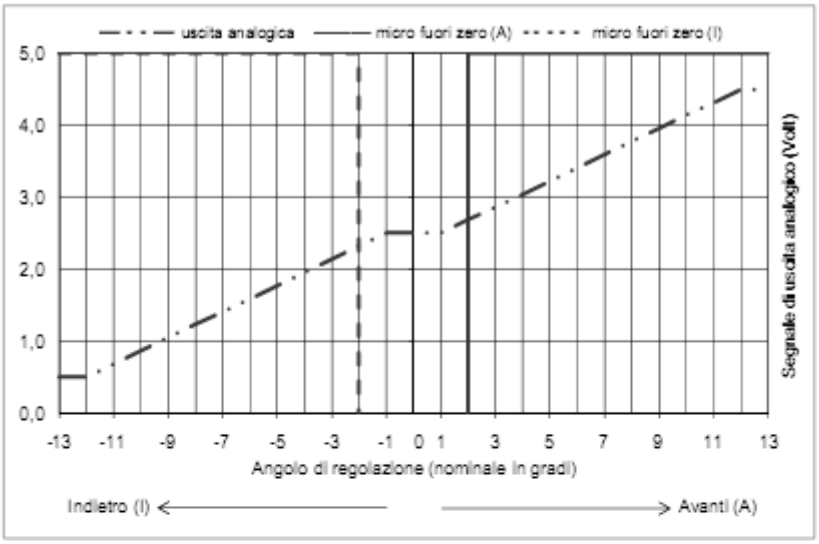


Curva di regolazione D - Per pedale bidirezionale (I-0-A)

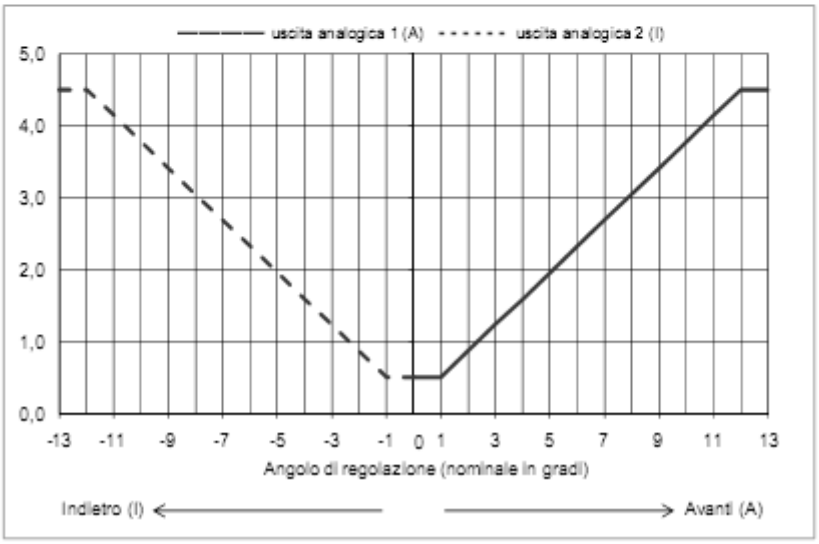
Curves adjustment in output:

Proportional Electric Pedals

Curva di regolazione E - Per pedale bidirezionale (I-0-A) e 2 micro di fuori zero



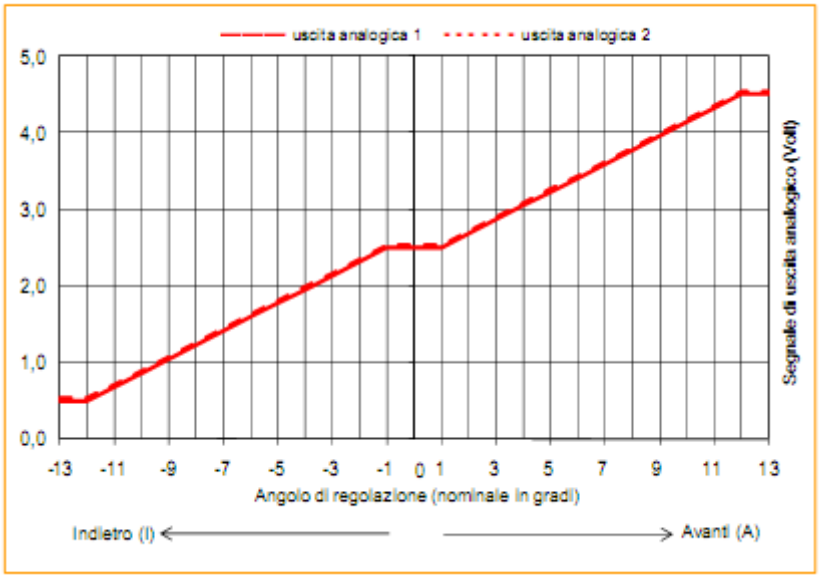
Curva di regolazione F - Per pedale bidirezionale (I-0-A) a zero centrale



Curves adjustment in output:

Proportional Electric Pedals

Curva di regolazione G - Per pedale bidirezionale (I-0-A) e 2 segnali di uscita



Installation dimensions:

Dimensioni di installazione:

PEP

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Chiave di ordinazione: