

BP-612

Mini Armrest For Servocontrol

The Mini Armrest BP612 was created to drive 6 proportional valves and 12 ON/OFF valves having an open loop (these valves don have the transducer of inside position) The regulator is integrated in a palmar ergonomic box , to be set directly in to the armrest of the vehicle or to be held on the hand .

It can be used in any application were a remote control is requested like hedge trimmer jibs , jibs for the cutting of the vine, excavator jibs, pallet forks .

TECHNICAL CHARACTERISTICS:

ELECTRICAL

SUPPLY VOLTAGE:to 8V @ 30V
CURRENT:90mA @ 12V
6 OUTPUTS PROPORZIONAL VLVES:from 0,05 A to 3 A
12 OUTPUTS ON/OFF VALVES:to 2,5 A
12 BUTTONS:to configure as you like
1 JOYSTICK2 o 3 Axis
REGULATION OF CURRENT: Imin., Imax:0 - 100%
REGULATION OF RAMP TIME :0 - 10Sec
PWM:100Hz- 330Hz
RESOLUTION PWM:9 Bit @100Hz
TOLLERANCE:+/-2%
RANGE OF TEMPERATURE:15°C ÷ +70°C
ENDINGS : to configure as you like
for example: connector DIN 43650 and lenght of
the cable 5 mt

OUTPUTS PROTECTED AGAINST SHORT CIRCUIT

MECHANICAL

MATERIAL OF THE BOX	ABS
RESISTENCE OF THE CONCTATS:	<4mOhm
TEMINAL :	Pg16
DIAMETER OF CABLE:	24unitX0,50
DEGREE OF PROTECTION:	IP65
GRADE OF ISOLATION:	VDE0110
COLOR OF THE BOX:	Nero
PACKING RUBBER: Rubbe	r Nitrilica -40 +90°C
	Silicone -40 +125°C

PROGRAMMING BY PC with Software GAMMA 1 SUITE Imin., Imax., Ramp , for each canal Input of Reference , PWM work , Regulation of sensibility of input signal

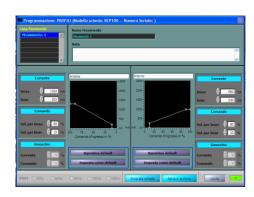
PRODUCT CONFORME TO THE EUROPEAN DIRECTIVE RHOS 2002/95/CE

Product Code: F00206

WORKING

The system for the 6 proportional valves works on the pulsations modulate denominated PWM, it is retraction in current to obtain an output current on proportional solenoid at entry signal, while for the 12 ON/OFF valves are controllers to mosfet components.









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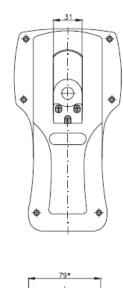
They have been foreseen protections against the short-circuit in output, limitation in current in case of high temperature and protection against inversion of polarity of alimentation.

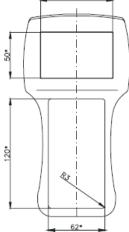
CALIBRATION

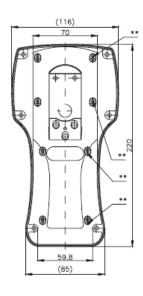
The Mini Armrest BP612 can to be regulate through the programming PC with dedicated software GAMMA 1 SUITE ,the software downloaded free to internet www.unifyelectronic.com

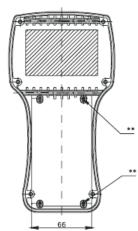
If we insert the cable in the connector the system automatically positions in the modality of programming dedicated to product.

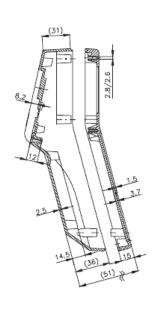
DIMENSIONS











Free dimension tolerance to DIN 16901-130

= Cutout dimension

** = PCB mounting boss (screw 3 x 8)



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