

# HERCULES - REQUEST FORM FOR NON STANDARD JOYSTICK

## Grip type

Knob (IP 65 assembled in specific enclosure)

Function

Free movement

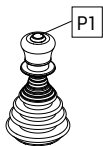
Mechanical interlock + NC/NO contact (not available for proportional Hercules)

P1 1NO button

Colour of button

black

green



T handle (IP 65 assembled in specific enclosure)

Function

Free movement

Mechanical interlock + NC/NO contact (not available for proportional Hercules)



Handle (IP 44 assembled in specific enclosure)

Function

Free movement

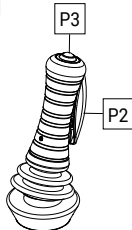
P2 1NO button

P2 1NO button + P3 1NO button

Colour of button

black

green



Ergonomic handle (IP43 assembled in specific enclosure)



1NO buttons can be used as electrical interlock.

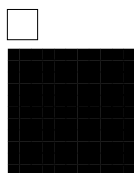
## Movement

Stepped - spring return

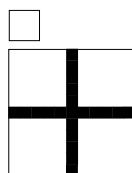
Linear - spring return

## Lever guide

Standard lever guide

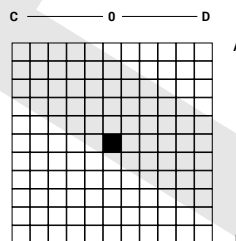


5 steps directions A-B  
5 steps directions C-D  
360° movement



5 steps directions A-B  
5 steps directions C-D  
Cross movement

Customized lever guide (not available for proportional Hercules)



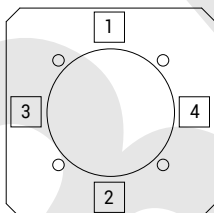
## Joystick label

Blank label

Lifting-Traversal symbols

Trolley-Rotation symbols

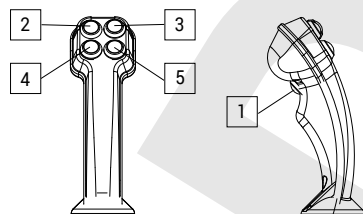
Customized label



Pos. Letterings

1	_____
2	_____
3	_____
4	_____

## Actuators for ergonomic handle



## Actuators for positions 2-3-4-5

- A PRVV5019PE Green button 1NO contact + 1 common
- B PRVV5020PE Black button 1NO contact + 1 common
- C PRVV0840PE 2 position selector ON-OFF 1 contact + 1 common
- D PRVV0842PE 2 position selector MOM-OFF 1 contact + 1 common
- E PRVV0830PE 2 maintained position selector ON-ON 2 contacts + 1 common
- F PRVV0831PE 3 maintained position selector ON-OFF-ON 2 contacts + 1 common
- G PRVV0832PE 2 position spring return selector ON-MOM 2 contacts + 1 common
- H PRVV0833PE 3 position selector MOM-OFF-MOM 2 contacts + 1 common
- I PRVV0834PE 3 position selector ON-OFF-MOM 2 contacts + 1 common

## Actuator type\* and label letterings

Pos.

1  Si  No PRVV5080PE Green button 1NO contact + 1 common\*\*

Type Lettering

2	<input type="checkbox"/>	_____
3	<input type="checkbox"/>	_____
4	<input type="checkbox"/>	_____
5	<input type="checkbox"/>	_____

\* Maximum 5 contacts + 1 common available.  
Ex.: 1NO contact in position 1 + 4 buttons A type.  
1NO contact in position 1 + 4 selectors C type.  
1NO contact in position 1 + 2 selectors G type.

\*\* In case of use of the electrical interlock function, connect it to actuator 1.

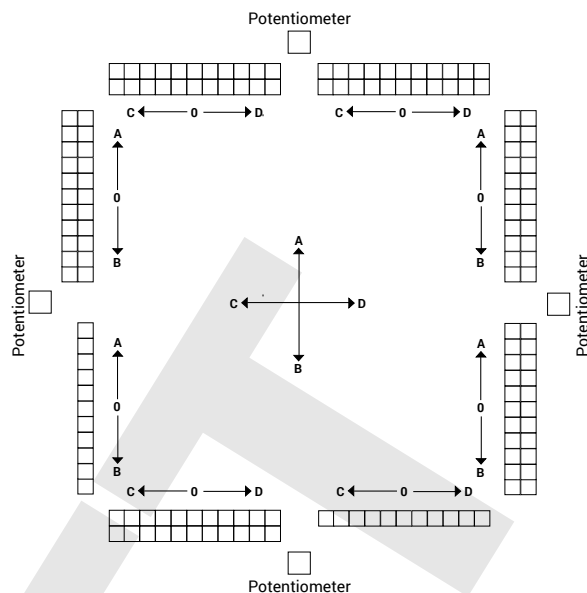
**Joystick with switches**
**Potentiometer**

- 1 PRVV9035PE 2.2 k $\Omega$
- 2 PRVV9020PE 4.7 k $\Omega$
- 3 PRVV9025PE 10 k $\Omega$
- 4 Preset only

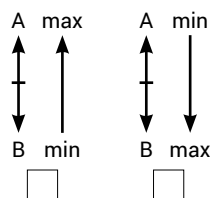
**Instructions**

When necessary, write the number corresponding to the potentiometer or to the preset required. Fill in the contact scheme blackening the boxes corresponding to the positions where the cams close the contacts (each bar of 11 boxes correspond to a switch; the central box corresponds to the zero position of the joystick). In the example, the contact is closed in positions 1-2-3 to the left and 3-4 to the right.

5	4	3	2	1	0	1	2	3	4	5


 **Stepless proportional joystick**
**A-B LEVER DIRECTION**

Select the increase / decrease direction of the signal


 **Standard outputs\***

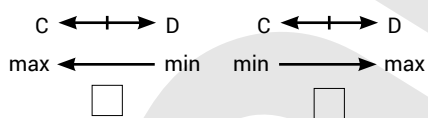
Standard outputs (A-B direction)			Select a version
Voltage	Current	PWM	
0-10V	4-20mA	0-100%	<input type="checkbox"/>
0-5V	4-12mA	0-50%	<input type="checkbox"/>
0.5-9.5V	4.5-19.5mA	5-95%	<input type="checkbox"/>
0.5-4.5V	4.5-11.5mA	5-45%	<input type="checkbox"/>

 **Customized outputs**

Customized outputs (A-B direction)								
Voltage (from 0 to 10 V)			Current (from 4 to 20 mA)			PWM (from 0 to 100%)		
min	Lever in central position	max	min	Lever in central position	max	min	Lever in central position	max
___V	___V	___V	___mA	___mA	___mA	___%	___%	___%

**C-D LEVER DIRECTION**

Select the increase / decrease direction of the signal


 **Standard outputs\***

Standard outputs (C-D direction)			Select a version
Voltage	Current	PWM	
0-10V	4-20mA	0-100%	<input type="checkbox"/>
0-5V	4-12mA	0-50%	<input type="checkbox"/>
0.5-9.5V	4.5-19.5mA	5-95%	<input type="checkbox"/>
0.5-4.5V	4.5-11.5mA	5-45%	<input type="checkbox"/>

 **Customized outputs**

Customized outputs (C-D direction)								
Voltage (from 0 to 10 V)			Current (from 4 to 20 mA)			PWM (from 0 to 100%)		
min	Lever in central position	max	min	Lever in central position	max	min	Lever in central position	max
___V	___V	___V	___mA	___mA	___mA	___%	___%	___%

\* Select the standard output required. In case of customized outputs, fill in the 'customized outputs' table paying attention at the value ranges. The value of 'Lever in central position' must be in between the minimum and maximum values chosen.