HYDRECO

HYDRAULIC SOLUTIONS PROVIDER

EPVJ SERIES

ELECTRIC ON-OFF JOYSTICK



ELECTRIC ON-OFF JOYSTICKS

The Hydreco Hydraulics EPVJ series joystick provides a remote electric "on-off" signal to control solenoid operated devices.

It has been developed as a compact, light weight unit incorporating the maximum number of switches possible to be controlled by one hand in order to replace multi-switch panels on mobile machinery.

BENEFITS

- Compact and light
- Intuitive identification of basic service functions
- Up to 17 contacts, including the multifunction integral handle, controlled with one hand
- Easier and faster control of the solenoid operated devices
- Reliable for heavy duty applications
- Low effort control
- Wide range of multifunctional ergonimic handles available
- Cable and wired connectors to customer specifications
- Can be easily fitted on portable chest-packs

APPLICATIONS

Typical applications include agricultural tractors, mobile grass cutters, fruit picking machines, viticulture machines, material handling machines, road maintenance machines and marine applications.

TECHNICAL FEATURES

- Dual axis function
- 2 additional contact on opposite poles
- 16 Amp micro-switches
- Micro-switch rated to IP54

Hydreco Hydraulics reserve the right to update the information and data contained in this catalogue at any time.

EPVJ SERIES MODEL CODING

EPV **J** **XX** **X** **X** **XXXXX**

XXXX = DBH Drawing Number

Handle Type

- **W** = Without Handle
- **K -** = K Series Knobs
- **S -** = S Series Ergonomic
- **E** = MFE Multi-Function Ergonomic

(refer to Handle catalogue)

Joint Type

- **S** = Standard
- **C** = Cross (combined movements inhibited)

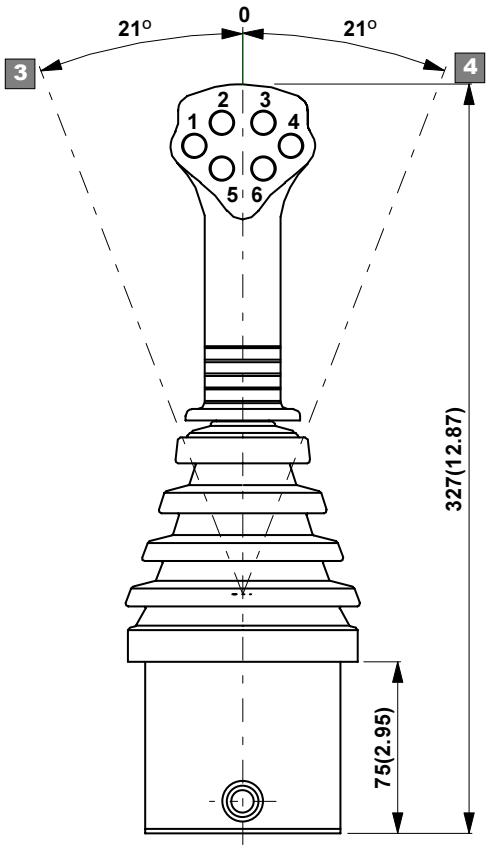
Switch Options (see page 5)

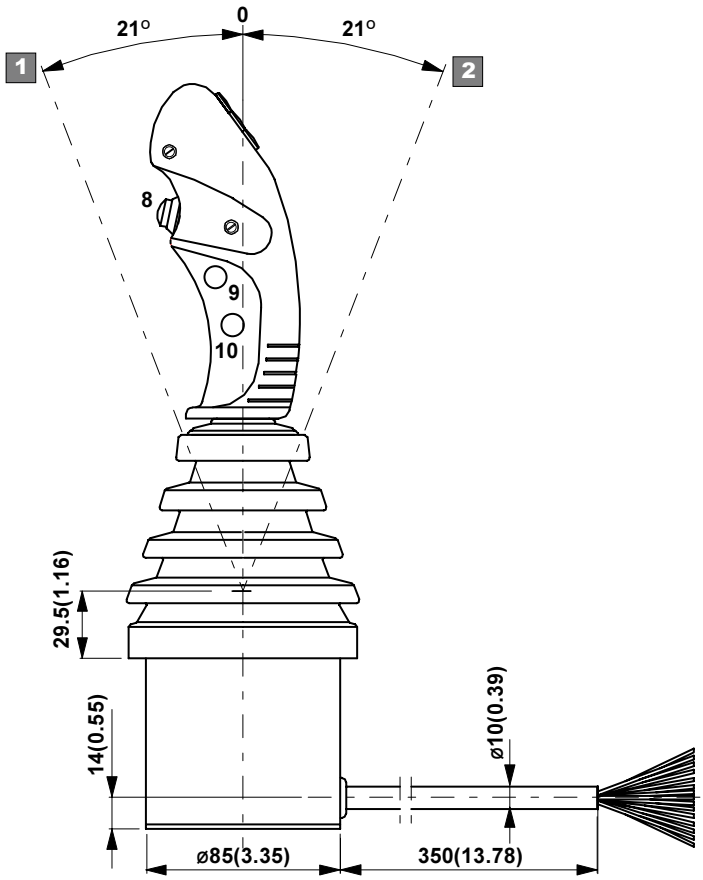
- **41** = Dual Axis, 4 micro-switches
- **51** = Dual Axis, 5 micro-switches
- **52** = Dual Axis, 5 micro-switches
- **53** = Dual Axis, 5 micro-switches
- **54** = Dual Axis, 5 micro-switches
- **61** = Dual Axis, 6 micro-switches
- **62** = Dual Axis, 6 micro-switches

J = Joystick

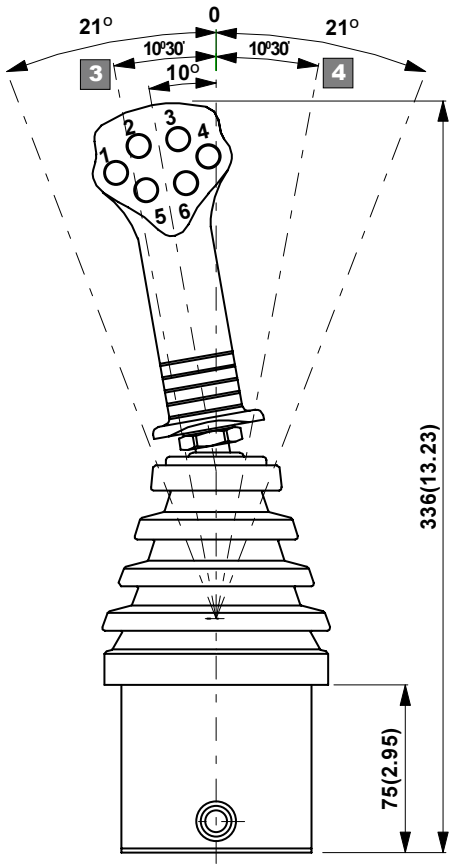
EPV = Electrical Pilot Valve

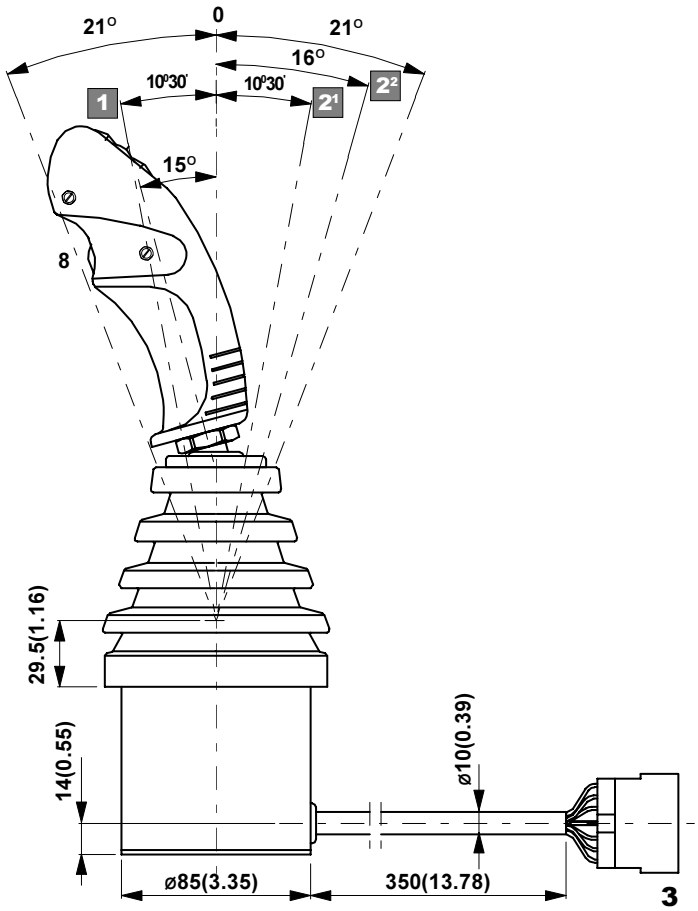
Joystick: MFE Type Handle



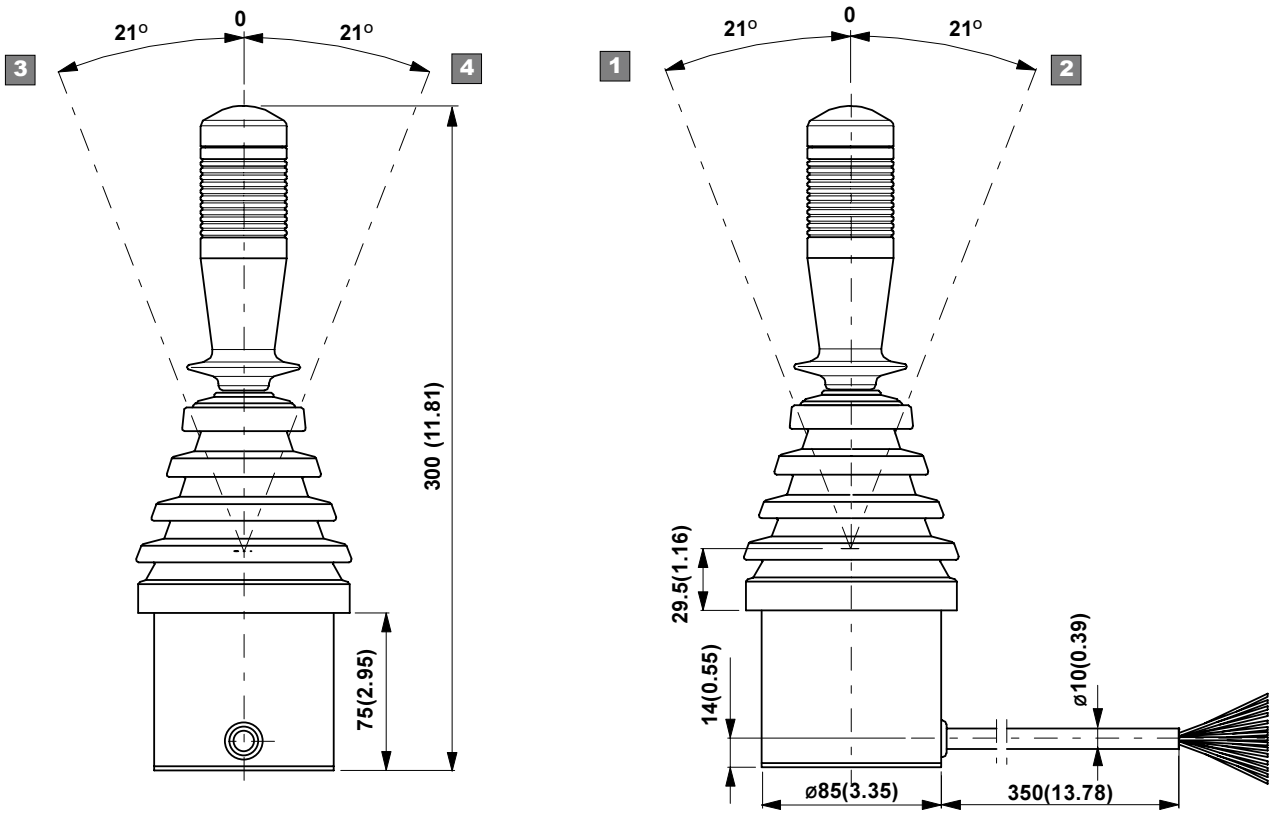


Joystick: MFE Type Handle - angled



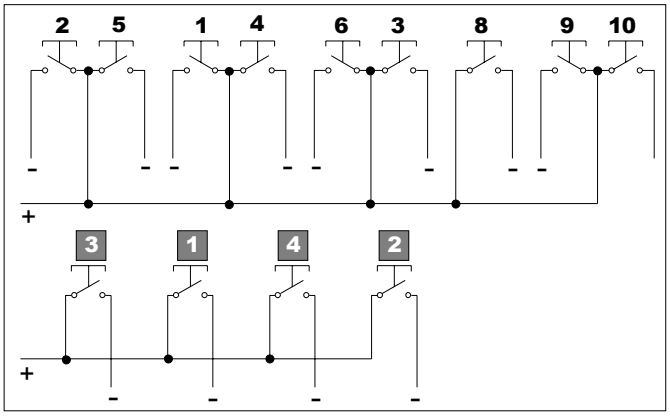


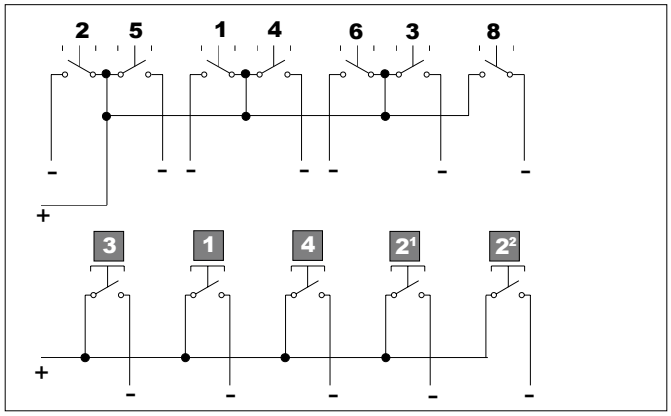
Joystick: Straight Handle



EPVJ SERIES ELECTRICAL CIRCUIT DIAGRAMS

The circuit diagrams shown here should be regarded as general examples only as the combination of buttons may vary depending on customer requirements. Please consult your David Brown Hydraulics representative for specific electrical information. The electrical circuit diagrams shown correspond to the upper and lower diagrams on page 3.

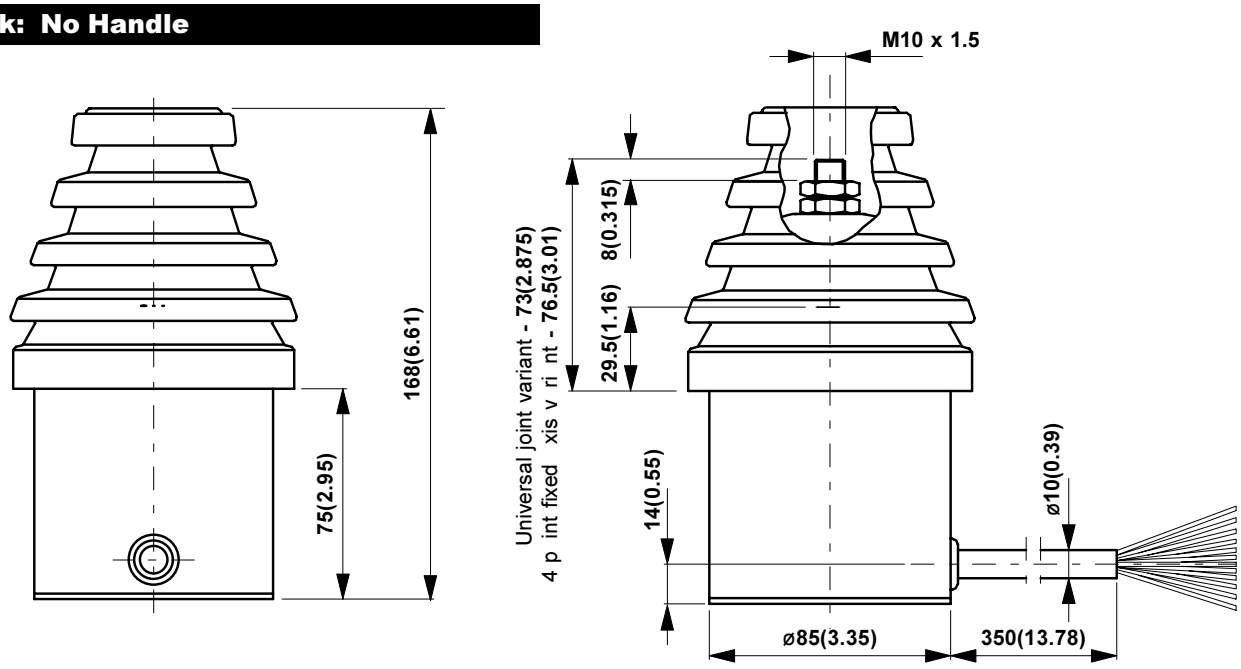




EPVJ SERIES NOTES

1. Different cable lengths can be supplied to customer requirements.
2. Other Joystick variants are available. For details please consult your David Brown Hydraulics representative.
3. For details of handle options see the handle catalogue.
4. Connectors can be fitted to customer requirements.
5. Single axis version available on request.

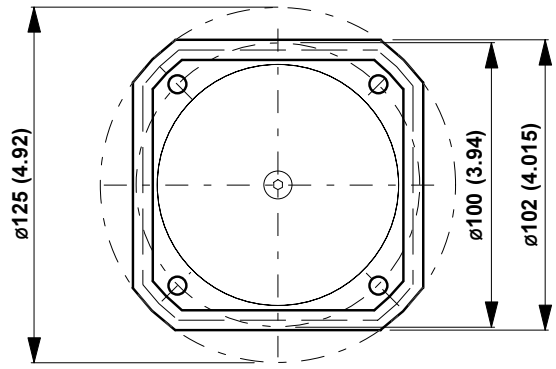
Joystick: No Handle



EPVJ SERIES MOUNTING DETAILS

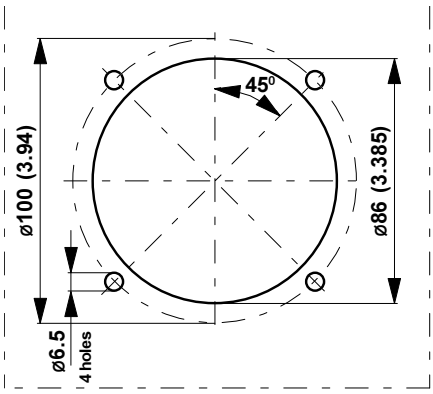
JOYSTICK FOOTPRINT

Typical across the EPVJ Series.

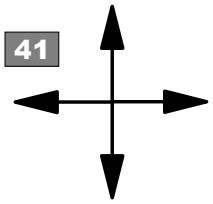


JOYSTICK MOUNTING DETAILS

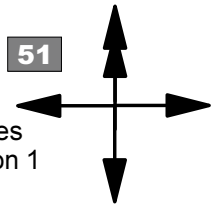
Typical across the EPVJ Series.



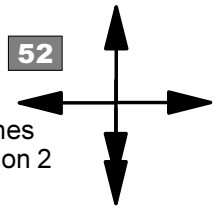
EPVJ SERIES SWITCH POSITION OPTIONS



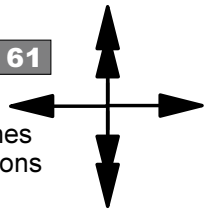
4 micro-switches



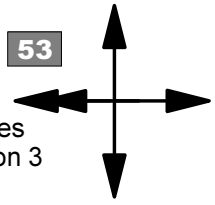
2 switches at position 1



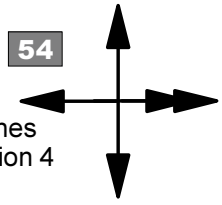
2 switches at position 2



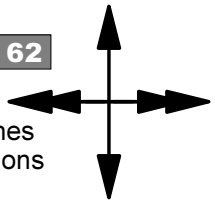
2 switches at positions 1 and 2



2 switches at position 3



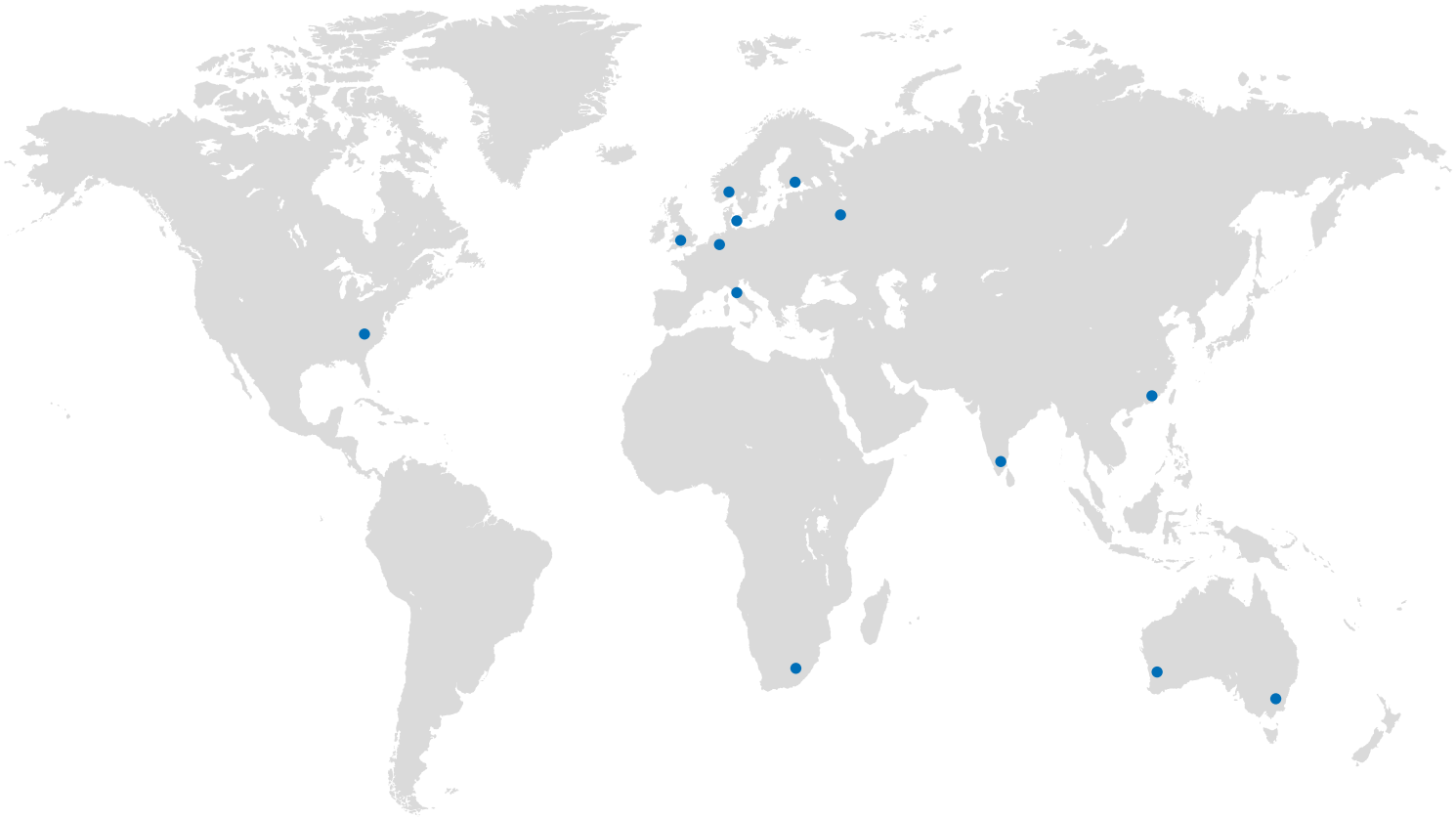
2 switches at position 4



2 switches at positions 3 and 4

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