

LP100 series

Low profile miniature trackball

Distinctive features and specifications



- ☐ 1" ball diameter
- ☐ Panel mount design
- ☐ Available in black or backlit illumination
- ☐ Several protocol options
- ☐ Additional button strips available
- ☐ Environmental Protection Classification (IP Rating): contact factory

MECHANICAL

- Ball Diameter: 1.00" (25.40mm)
- Ball Rotation: Continuous in all directions
- Tracking Force: 15g (0.35oz)
- Weight: 33.5g (1.18oz)
- Life Cycle (ball rotations): 5 million
- Operating Temperature: -40°C to +85°C (-40°F to +185°F)

PROTOCOL OPTIONS AND ELECTRICAL SPECIFICATIONS

- USB: Input: 4.00V – 5.25V @ 25mA max
(+30mA for backlit illumination option)
Output: USB 1.1
- PS/2 (2/3BTN PS/2): Input: 5.00V @ 25mA max
(+30mA for backlit illumination option)
Output: CMOS/TTL
- Quadrature: Input: 5.00V @ 30mA max
(+30mA for backlit illumination option)
Output: Quadrature Waveforms

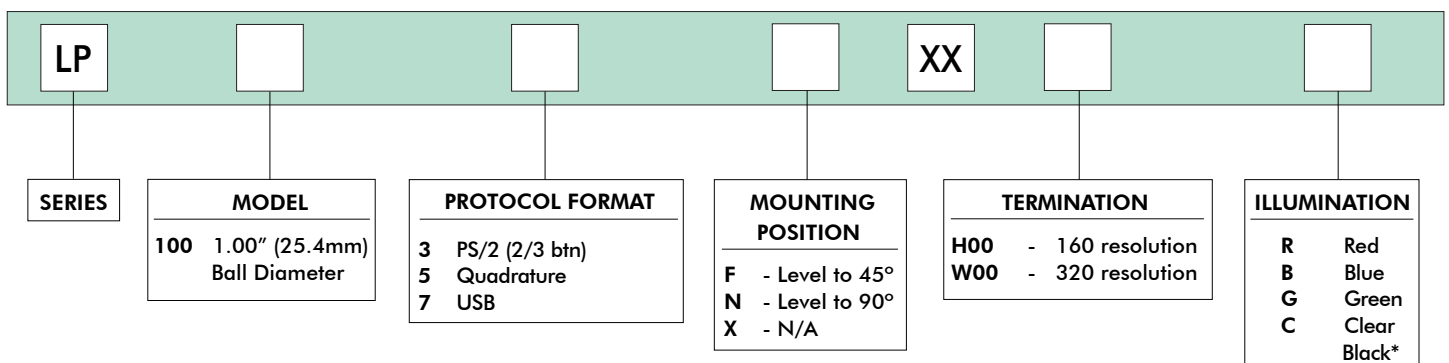
CONFIGURATION OPTIONS

- LED backlighting: Red, Blue, Green or Clear through a translucent Thermostat resin ball
- Additional pushbutton switch: Two, three or four* buttons (* USB only) – see Button Strips
- Connector cables
- Conformally coated PCB

MOUNTING OPTIONS

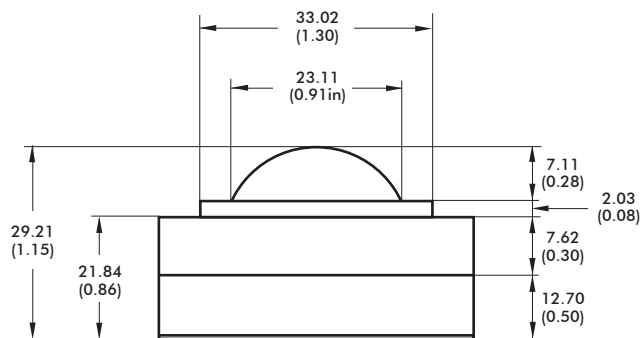
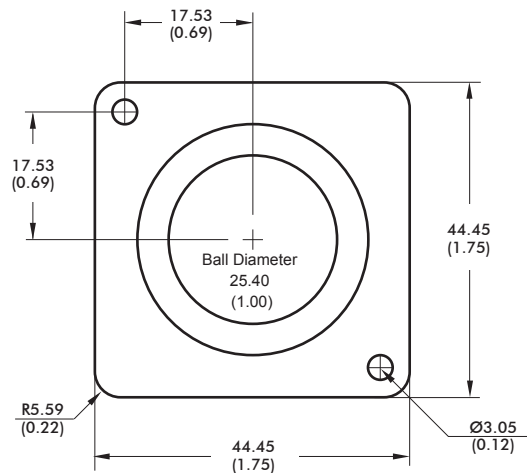
- 180° horizontal to 90° vertical – please specify when ordering.

NOTE: All values are nominal.

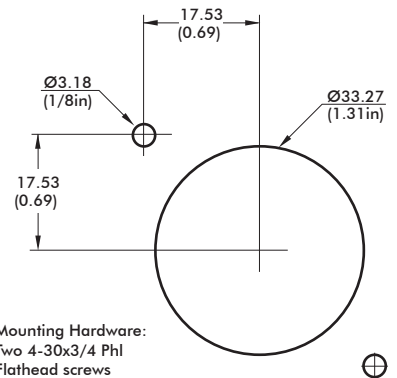


*Non-illuminated

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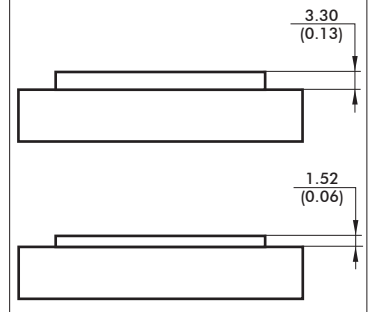


MOUNTING CUTOUT DIMENSIONS



Mounting Hardware:
Two 4-30x3/4 Phl
Flathead screws

OTHER AVAILABLE PANEL
DIMENSIONS*



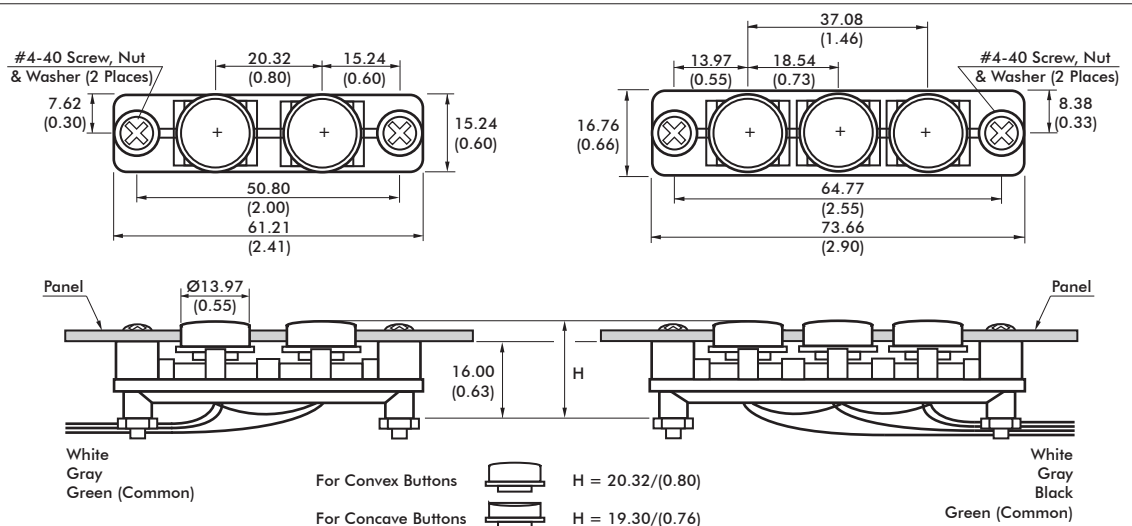
NOTES:

All dimensions are in mm/(inch).

* Please specify panel thickness with your order.

BUTTON STRIP FEATURES

- | | |
|--|--|
| <ul style="list-style-type: none"> • Two, three, or four* (*USB only) buttons • Tactile feedback • Normally open momentary contact switch | <ul style="list-style-type: none"> • 5 million lifecycles rating at 500mA at 12VDC • Black or gray button caps • Choice of convex or concave design |
|--|--|



NOTE: All dimensions are in mm/(inch).

Note: The company reserves the right to change specifications without notice.