

X-JOY3 Series Datasheet



- Controls up to three axes, each with programmable sensitivity and velocity profile
- Compact bench-top design for manual control with or without a computer
- Eight programmable keys for functions like storing and recalling positions
- Intuitive ASCII protocol simplifies complex automation tasks
- Custom versions available
- Technical Article - Manual Control Using a Joystick

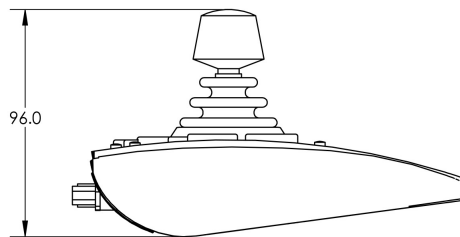
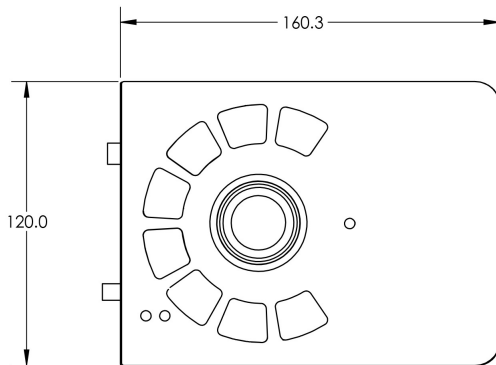
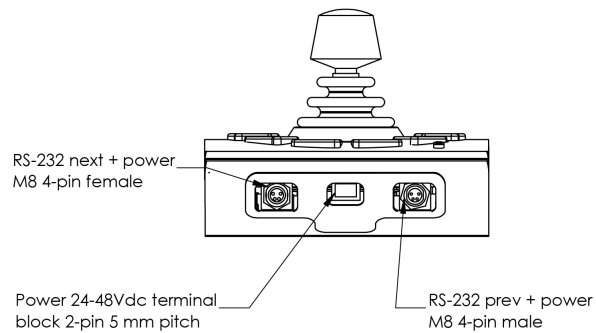
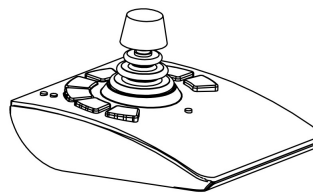
Overview

The X-JOY3 is ideal for XY or XYZ applications requiring manual control. The joystick is intuitive to use, and the keys are pre-programmed with commands to home the devices, save positions, and switch between coarse and fine positioning. Each key can also be reprogrammed to send commands to any daisy-chained device. After programming, the joystick can be operated with or without a computer attached.

The X-JOY3 is compatible with all Zaber motor controllers and devices with built-in controllers. When connected with other X-Series products, power can be shared between all devices in the chain, reducing the number of power supplies needed.

Drawings

ZABER
X-JOY3 Programmable Joystick
dimensions in mm



DWG 1118 801

Specifications

Specification	Value	Alternate Unit
Communication Interface	RS-232	
Communication Protocol	Zaber ASCII (Default), Zaber Binary	
Maximum Current Draw	50 mA	
Power Supply	24-48 VDC	
Power Plug	2-pin Screw Terminal	
Data Cable Connection	Locking 4-pin M8	
Manual Control	3-axis joystick, 8 programmable keys	
LED Indicators	Yes (power, communication, error)	
Vacuum Compatible	No	
Operating Temperature Range	0-50 °C	
RoHS Compliant	Yes	
CE Compliant	Yes	
Weight	0.52 kg	1.146 lb