



MFD Series

MAIN FEATURES

- Two or three axis joystick
- Choice of potentiometer or Hall effect joystick
- Up to six pushbuttons
- USB HID Game Controller interface
- Plug and Play connectivity
- Available in two colors



DESCRIPTION

The MFD Series is a USB desktop controller with choice of: 2 or 3 axis Hall effect joystick, 2 or 3 axis potentiometer joystick or single axis Hall effect control knob. These desktop joysticks provide ambidextrous operation with a soft silicone wrist pad for added comfort. USB 1.1 HID connectivity allows joystick functions to be user assignable in supported applications. The MFD Series was developed for machine control, professional video surveillance or any application requiring multi-axis positioning control via USB interface.

SPECIFICATIONS*

JOYSTICK MECHANICAL (X & Y) AXIS		
	HALL EFFECT	POTENTIOMETER
Angular travel:	40° total (20° each direction)	50° total (25° each direction)
Expected life:	5 million	3 million
Centering:	Spring return	Spring return
Maximum vertical load:	75 lbF	75 lbF
Maximum horizontal load:	30 lbF*	24 lbF*

* Specifications subject to change without notice

JOYSTICK MECHANICAL: Z AXIS	
Angle:	90° (45° each direction)
Centering:	Spring return
Maximum applied torque:	14 lbFin

SINGLE AXIS KNOB: HCK VERSION	
Angle:	90° (45° each direction)
Centering:	Spring return
Maximum applied torque:	N/A

ELECTRICAL	
Resolution:	10 bit
Supply voltage:	5VDC via USB cable
System support:	Windows (all), OSX, Linux
Supported protocols:	USB HID 1.1 Game Controller Standard DirectX HID drivers Joystick: 3 HID axis Pushbuttons: Up to 8 HID buttons
Cable	USB Male Type A, (60") length

■ SPECIFICATIONS

MATERIALS	
Operating temperature:	-20°C to 60°C
Storage temperature:	-40°C to 70°C
Sealing:	Indoor use only
EMC immunity level:	EN6100-4-3
Approvals:	FCC Part 15 Class B EN61000-6-3, EN61000-6-1
EMC emissions:	EN61000-6-3
ESD immunity level:	EN61000-4-2

MATERIALS	
Desktop housing:	ABS
Boots:	Silicone (with tear resistant additive)
Handle:	Glass & mineral filled

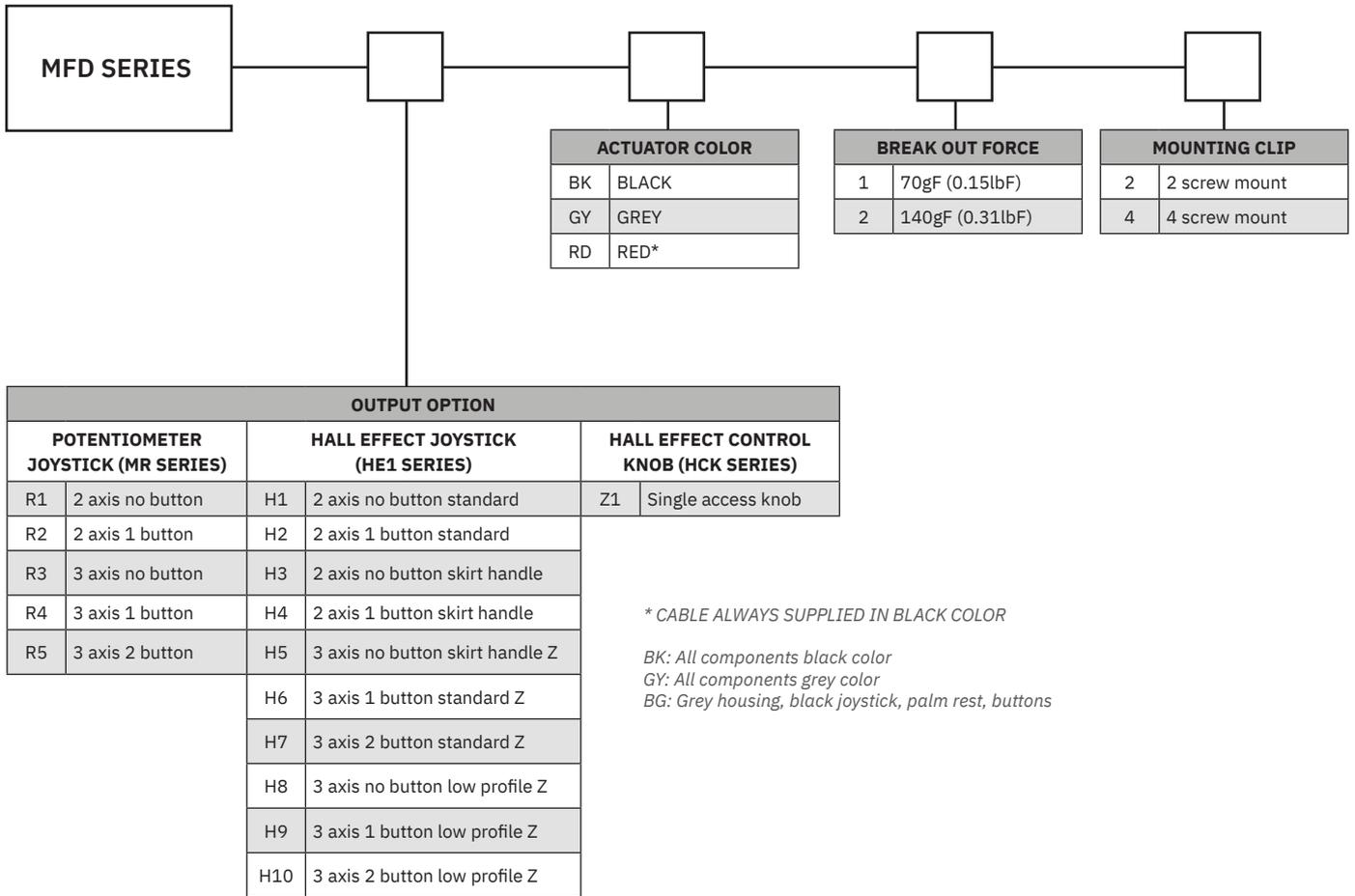
■ CONNECTIONS



CABLE*
USB Male type A, 5ft (60") length

** Note: The MFD Series is configured with a black USB cable.
The gray cable in product image is not representative of the final product.*

MFD SERIES PART NUMBER CODE



DIMENSIONS

