

HEAVY EQUIPMENT & MATERIAL HANDLING GRIPS

OTTO Controls manufactures a wide range of styles in its G3 Universal Grips series. G3 grips deliver high performance and long-lasting durability and are ideal for vehicles and machinery in construction, agriculture, material handling, mining and many other commercial and industrial applications.

All grips have a modular design and accommodate OTTO JH, JHL and JHM series Hall effect joysticks. Visit the Joystick Bases

and Grips section of the website to see integrated joystick/grip assemblies.

Customize OTTO grips to meet unique requirements or choose from many standard faceplates and features. Grips come with a variety of pushbuttons, rockers, toggles and Hall effect switches. Triggers are available on most grip handles.

G3 UNIVERSAL AND CONTROL GRIP MODELS



G3-A: smaller grip with up to four switches on its faceplates and has a Z-axis option



G3-CK: medium, ergonomic grip with eight faceplate pushbuttons and an optional side keypad



G3-B: larger grip that fits as many as six faceplate switches and has a Z-axis option



G3-D: control grip that can be configured with a rocker or pushbutton at the top of the handle and an Operator Presence switch



G3-C: medium, ergonomic grip with more switch content, a Z-axis option and other advanced functions



G3-E: control grip with five or seven pushbuttons and a rocker on the handle



G3-M: medium grip that fits up to four switches on its faceplate

The G3-CK Universal Grip is a high-performance grip with three different button configurations on the faceplate and an option of adding a left- or right-mounted side keypad with 10 more buttons for even greater functionality. Both the faceplate and the side keypad can be ordered with backlighting. Z-axis rotation, Grip Touch sensing and trigger switches are other options, making the G3-CK a strong choice for construction, agriculture, material handling and other applications requiring multiple button inputs.

The Grip Touch switch uses a sensor to detect the presence of the operator's hand on the grip handle. Switch selections for the back of the grip include momentary and maintained triggers, and pushbutton and thumbwheel switches. The Z-axis feature allows for a +/- 25° horizontal rotation of the grip when mounted on an OTTO joystick.

The G3-CK can be panel mounted as a fixed control grip or combined with an JH, JHL and JHM joystick for installation on vehicle armrests.

Features:

- **Compatible with OTTO JH, JHL and JHM series Hall effect joysticks**
- **Faceplates have four, six or eight buttons**
- **10-button side keypad option for left or right mounting**
- **Backlighting available for faceplate and side keypad**
- **Back of the grip handle can come with pushbutton or thumbwheel triggers**
- **Z-axis option with +/- 25° rotation**
- **Grip Touch operator sensing switch available on handle**
- **Various mounting and termination styles**
- **Modular design reduces the need for tooling charges**



G3-CK with Backlighted
8-Button Faceplate and
a 10-Button Side Keypad



G3-CK with 8-Button
Faceplate Keypad

G3-CK UNIVERSAL GRIP PART NUMBER CODE

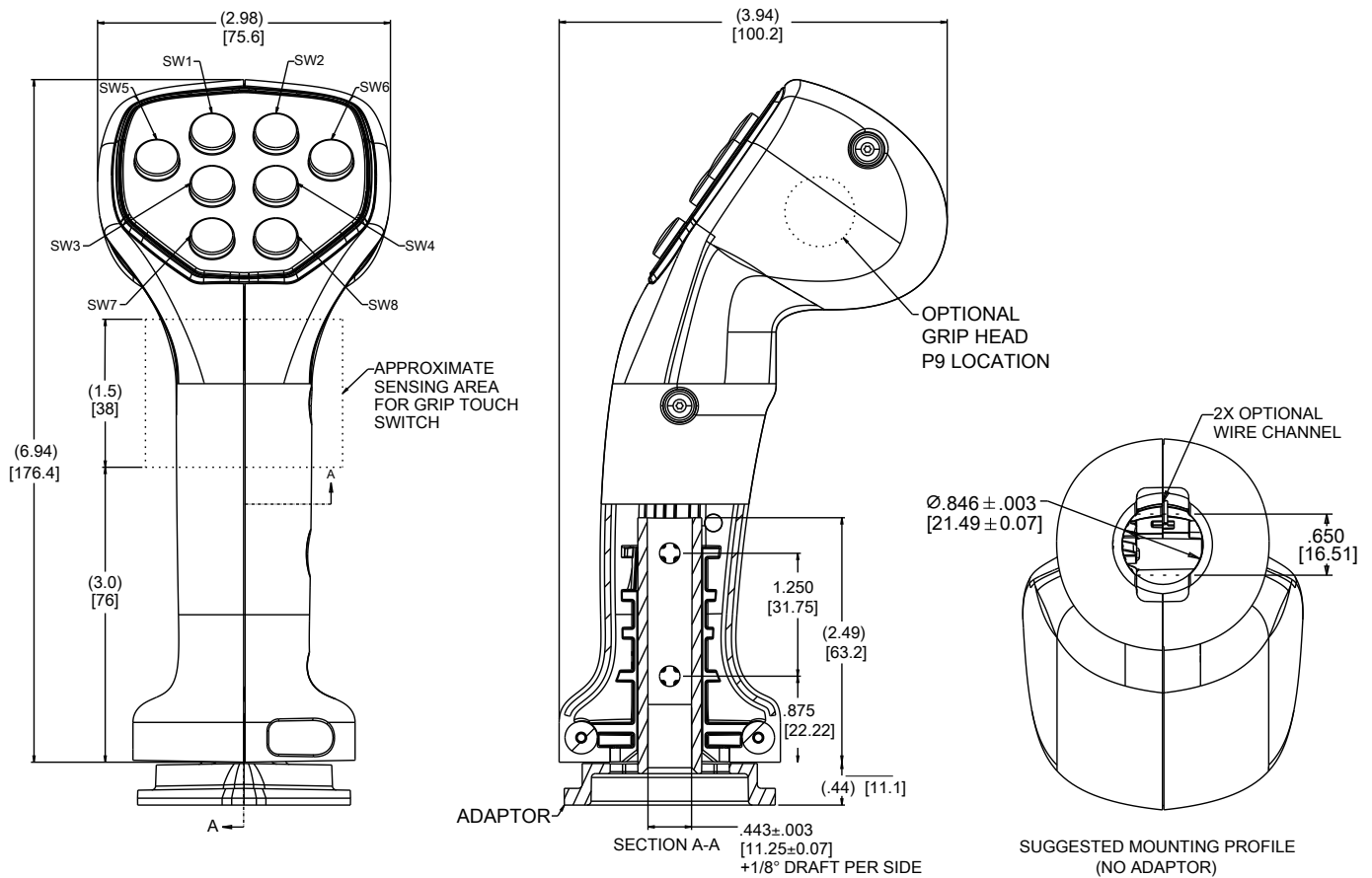
G3-CK	X	X	X	X	X
Adapter	Faceplate Keypad Configuration	Side Keypad Configuration	Back Lighting	Trigger Option	P9 In Head (Black)
1. Grip with Adapter	4. 4 Buttons	1. None	N. None	1. None	1. None
2. Grip without Adapter	6. 6 Buttons	L. Left Hand	L. Lighted Faceplate Keypad & Side Keypad	2. One Pushbutton – Black	2. Left Hand
3. Grip Touch Switch Only (Active Low)*	8. 8 Buttons	R. Right Hand	F. Lighted Faceplate Keypad Only	3. One Pushbutton – Red	3. Right Hand
4. Adapter and Grip Touch Switch (Active Low)*			S. Lighted Side Keypad Only	4. Single	4. Both
5. Grip Touch Switch Only (Active High)*				5. Dual Momentary*	
6. Adapter and Grip Touch Switch (Active High)*				6. Dual Maintained*	
				7. Two Pushbuttons – Black	
				8. Two Pushbuttons – Red	
				9. HTWS	
				A. HPL	

* Grip Touch switch is not available with Trigger Option 5 or 6.
Grip Touch switch tested per 560640.

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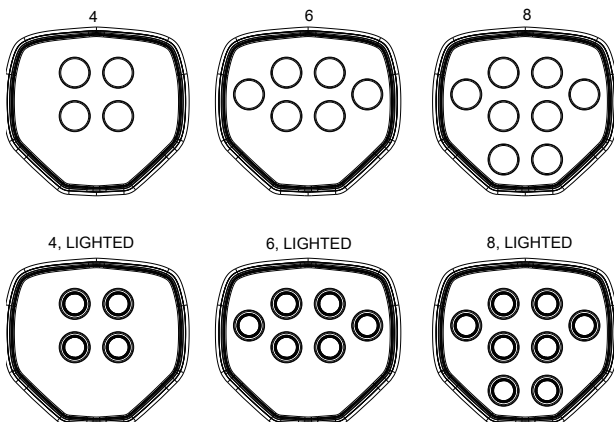
Positive travel is up or to the right. Contact the factory for additional options.

G3-CK DRAWINGS

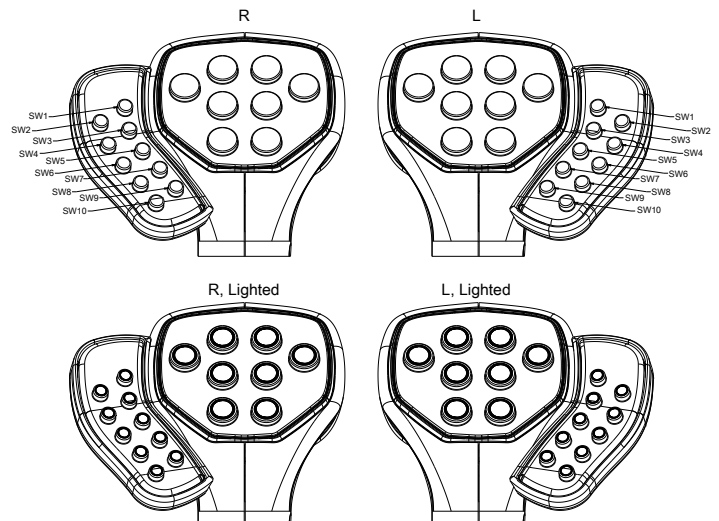


G3-CK KEYPAD CONFIGURATIONS

CENTER KEYPAD CONFIGURATIONS



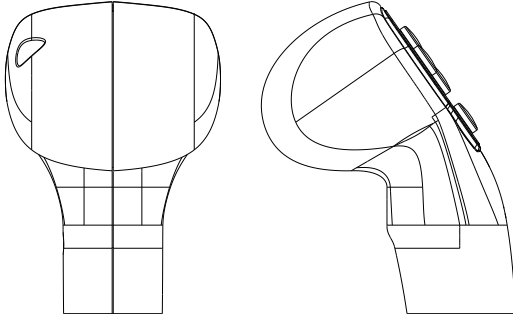
SIDE KEYPAD CONFIGURATIONS



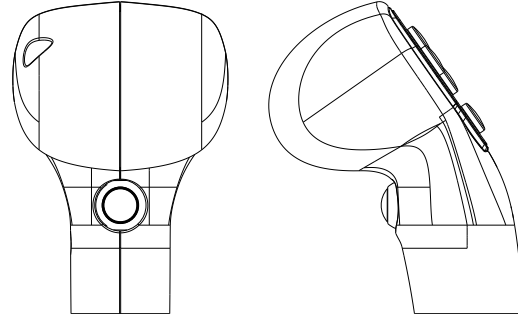
HIGH PERFORMANCE, HEAVY EQUIPMENT AND MATERIAL HANDLING GRIPS

G3-CK TRIGGER CONFIGURATIONS

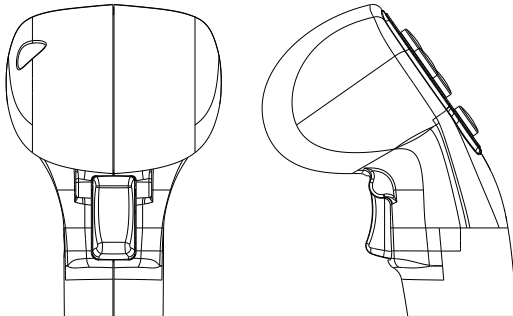
CONFIGURATION #1



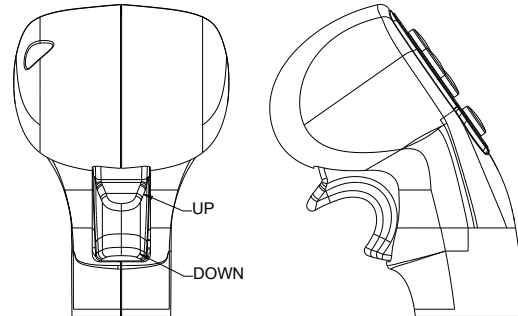
CONFIGURATION #2, 3



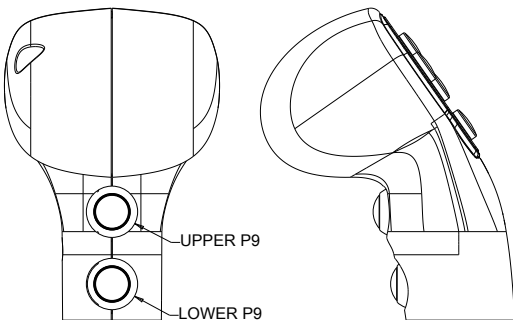
CONFIGURATION #4



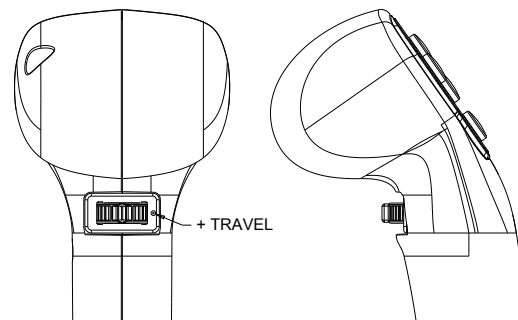
CONFIGURATION #5, 6



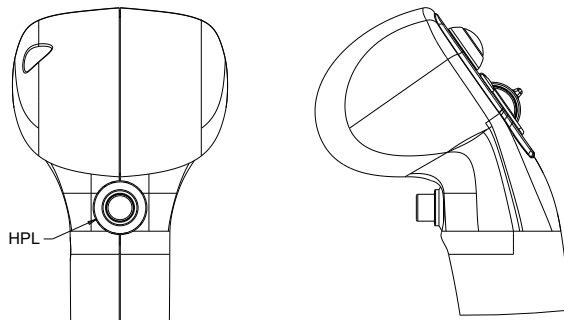
CONFIGURATION #7, 8



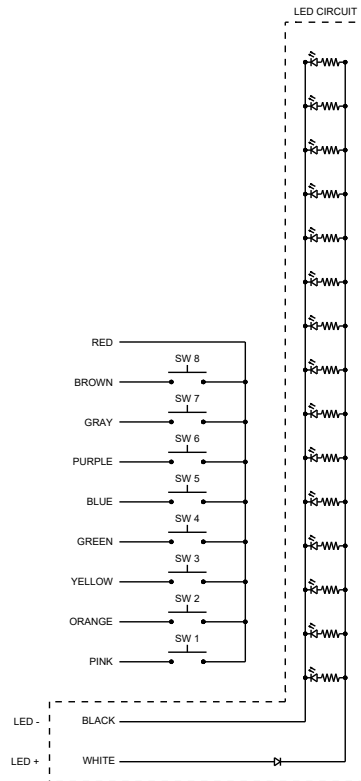
CONFIGURATION #9



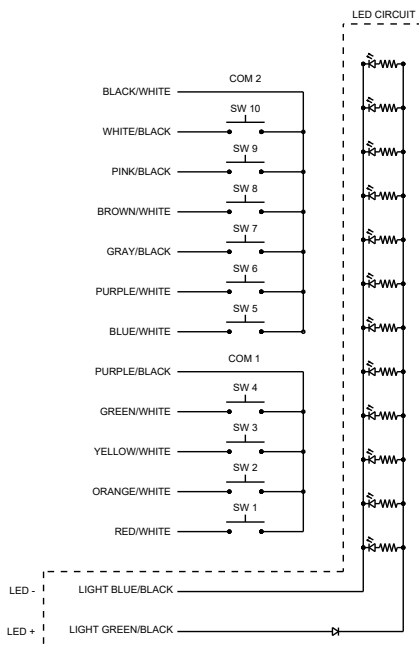
CONFIGURATION A



G3-CK SCHEMATICS

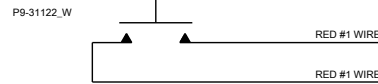


CENTER KEYPAD SCHEMATIC
WITH OPTIONAL LED
CIRCUIT SHOWN

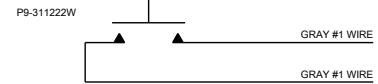


SIDE KEYPAD SCHEMATIC
WITH OPTIONAL LED
CIRCUIT SHOWN

P9 TRIGGER



HEAD P9, LEFT



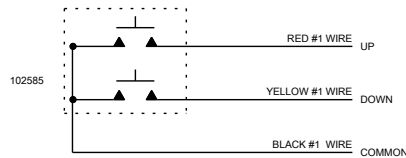
SINGLE TRIGGER



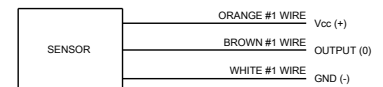
HEAD P9, RIGHT



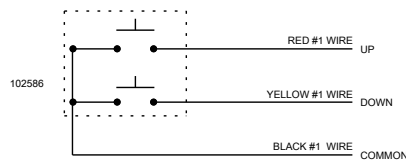
DUAL TRIGGER
MOMENTARY



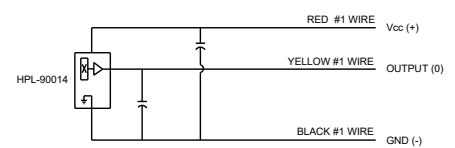
GRIP TOUCH SWITCH



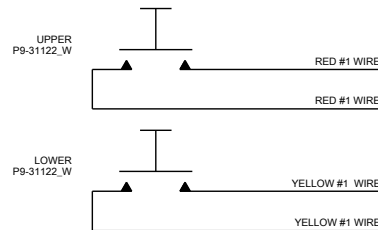
DUAL TRIGGER
MAINTAINED



HPL TRIGGER



2 P9'S TRIGGER



HTWS TRIGGER

