

OEM Products - Custom Keypads

Drawing Number 811646
Sheet 1 of 2

Overview:

The CTI Model K9 Series custom keypads and C Series Sealed Key Pads and Switch Pads are intended for OEM applications that need the flexibility of choosing rugged and reliable semi-custom sealed key pad or keyboard port compatible input device.

The K9 Series keypads, and C Series Switch Arrays are NEMA 4 sealed, and are made of molded silicone rubber in either gray or black. Key legends are fused into the silicon to resist abrasion, and all switch contacts are gold plated for reliability and long life.

Each elastomer key provides a full 2mm travel and excellent tactile feedback for the operator.

Port compatibility means that software drivers as well as system “installation” and “set up” procedures are not required for any of the CTI Electronics products. Simply connect the CTI Electronics device to the appropriate port, and start up the Host Computer.

Optional configurations, including custom key legends, key codes and LED configurations are available. Consult a CTI Electronics Sales Engineer to discuss your application and requirements.

The K9 Series NEMA 4 Sealed Keypad

The K9 Series Keypad consists of a NEMA 4 rated sealed silicone elastomer keypad, labeled as shown above, and an electronic interface card that is keyboard port compatible with most popular computers and control platforms, including USB.

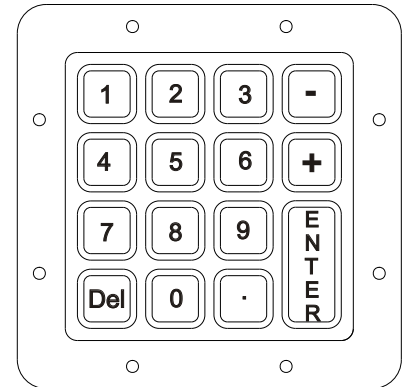
For those applications where discreet switch outputs are required along with keyboard compatible output, the K9 Series can provide an easy integration of both technologies on the same keypad.

The C Series NEMA 4 Sealed Switchpad with Optional LEDs

The C9, C5 and C2 Series Switchpad consists of a NEMA 4 rated sealed silicone elastomer keypad, switch matrix card, and optional output LEDS wired to an output header.

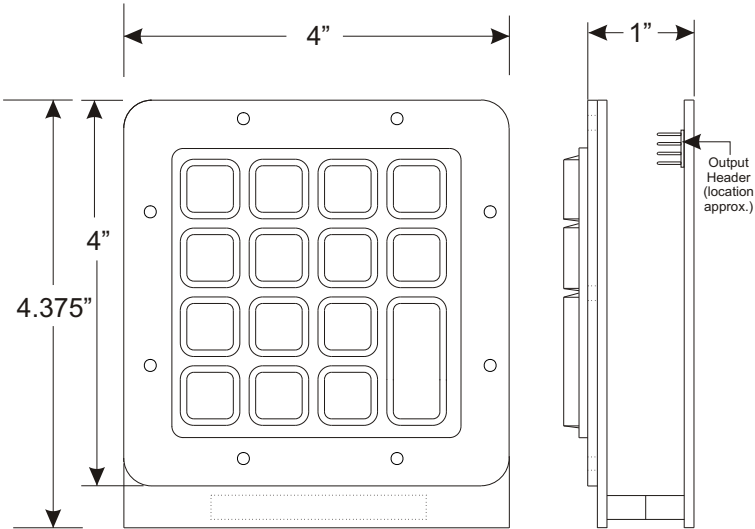
The keypads can be oriented in either a horizontal or a vertical position. Each key switch is rated for 100 mA at 24VDC, and can be used for START/STOP/RESET, UP/CENTER/DOWN and other machine control applications. Red LED(s) for local status annunciation are optional. All connections are made through a 4.5” ribbon cable (#28AWG).

Key legends can be defined to meet your project requirements.



Standard Legend Layout
for K9 Series Keypad

Mechanical Details:



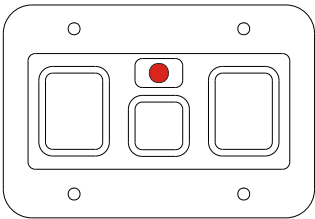
Model Number K9 Series shown
(Preliminary)

Ordering Information:

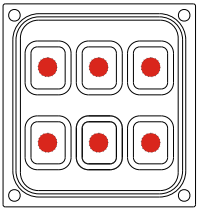
Model Number	Description
C2003A	3 Switches, No LEDs
C2007A	3 Switches, 3 red LEDs
C2009A	3 Switches, 1 red LED (center position)
C5003	6 Switches, No LEDs
C5003-BR	6 Switches, 6 LEDs
C9003A	3 Switches, No LEDs
C9009A	3 Switches, 1 red LED

Please consult the factory for other combinations.

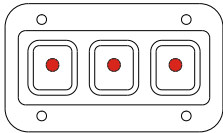
Application Details:



C9 Series NEMA 4 Sealed
Switch Pad shown
(3.3" X 2.2")



C5 Series NEMA 4 Sealed
SwitchPad shown
(1.9" X 1.8")



C2 Series NEMA 4 Sealed
Switch Pad shown
(2.3" X 1.3")