SERIES 81 Full Travel

FEATURES

- 3,000,000 Operations per Button
- Silicone Rubber Actuators with Conductive Ink Contacts
- Membrane Matrix Circuitry
- Two Choices for Flex Tail Termination
 Legends are Molded into Plastic Keys for Long Life
- Mount Directly to PCB or Front Panel

DIMENSIONS In inches (and millimeters)







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CODE AND TRUTH TABLES

Dots in the chart indicate connected terminals when switch is closed. Terminals are identified on the keyboard.

12 Button Keypads



16 Button Keypads

TERMINAL LOCATION

SPECIFICATIONS

Rating Criteria
Rating at 24 Vdc: 30 mA, resistive
Contact Bounce: Less than 4 milliseconds at make, 10 milliseconds at break
Contact Resistance: 100 ohms max.
Life Expectancy: 3 million operations per button
Insulation Resistance: ≥ 1,000 megaohm

Operating Features

Button Travel: $.080 \pm .020$ inches $(2,0 \pm 0,50$ mm) to make. Total travel: $.120 \pm .020$ inches $(3,1 \pm 0,50$ mm) Operating Force: $2.6 \pm .50$ ounces $(75 \pm 14$ grams) Operating Temperature: -20° C to 80° C

Materials and Finishes

Membrane: Polyester Buttons: ABS plastic Actuators: Silicone rubber Frame: Commercial grade steel, black Backplate: Aluminum, brushed finish Circuit Traces: 100% Silver impregnated conductive ink

STANDARD LEGENDS

Available through Grayhill Distributors To order one of the configurations below, use the dash number shown here; select the keypad size and code, and order the part number with the appropriate legend dash number. DEF 3 С DEF 3 2 АВ 2 2 3 3 A _{јкі} мыс 6 зн 4 5 5 D GH JKL 5 В 6 4 6 4000 6 4 7 8 PRS 7 тич 8 wχγ 9 TUV 8 С 8 9 Е 9 9 7 9 0 # A 0 В F × # × # D 0 -112 -014 -113 -016

CUSTOM LEGENDS

Any reasonable legend can be printed in theC-6C-6 key area. Fax a sketch of your requirements to Grayhill. Printing and symbols will be coordinated in keeping with concepts of good design. Or, if required, the details of your submitted artwork will be matched as closely as possible. Allow 3 to 4 weeks for custom legend delivery. A nominal charge, depending on the total quantity of keypads ordered and the complexity of the legend, will be assessed.



ORDERING INFORMATION



Available from your local Grayhill Distributor. For prices and discounts, contact a local Sales Office In CHINA (Beijing): Phone: (010)6851-9097, Fax: (010)6851-5578