

SERIES 84R

Rugged Keypad for Tough Environments

FEATURES

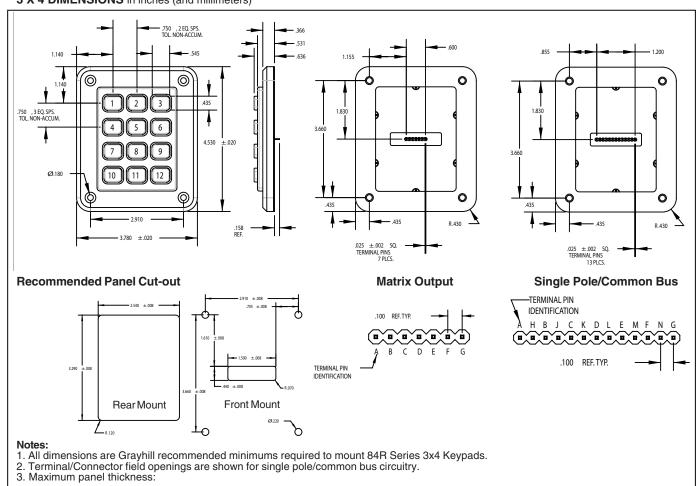
- Metal Keys and Housing
- Sealed for Use Outdoors
- Full Travel Keys Provide Positive Feedback
- Choice of Dome Contacts or Conductive Rubber Contacts
- Choice of Matrix Coding or Single Pole/Common Bus Coding
- Available with an Optional Locking Connector
- Custom Engraved Legends Available

DESCRIPTION

Series 84R keypads work in harsh industrial environments where exposure to fine particulates compromises other keypads. The sealed openings and tough construction make this keypad perfect for outdoor use as well. Typical applications include security system code entry and product selection on outdoor terminals.

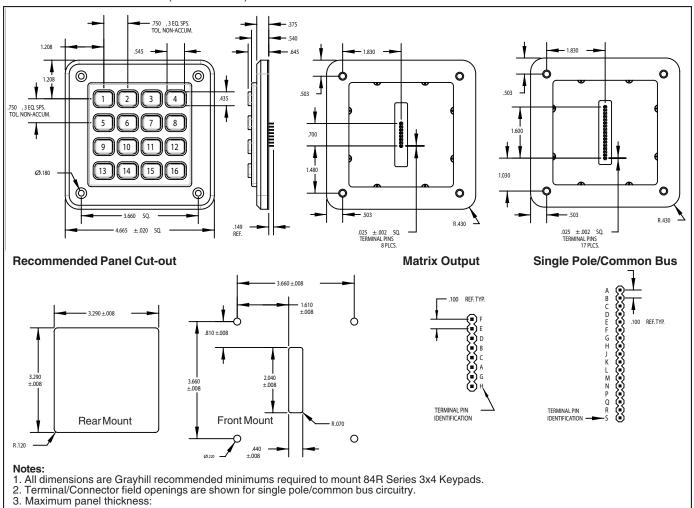


3 X 4 DIMENSIONS in inches (and millimeters)

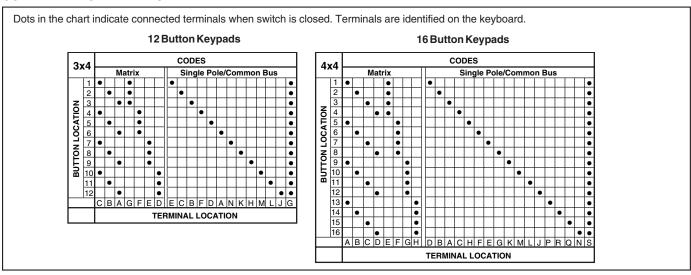




4 X 4 DIMENSIONS in inches (and millimeters)



CODE AND TRUTH TABLES





SPECIFICATIONS

Dome Contacts Rating Criteria

Rating at 24 Vdc:10 mA resistive (max)
Contact Bounce: 4 milliseconds maximum at
make; 10 milliseconds maximum at break
Contact Resistance: 10 ohms maximum

Voltage Breakdown: 250 V

Life Expectancy: 3 million operations/button Insulation Resistance: 1000 MegOhms min.

Rubber Contacts Rating Criteria

Rating at 24 Vdc: 5 mA for .5 seconds Contact Bounce: less than 12 milliseconds Contact Resistance: less than 100 ohms initial Voltage Breakdown: 250 VAC between

components

Life Expectancy: 3 million operations/button Insulation Resistance: >10 Ohms @ 500 VDC

Materials and Finishes

PC Board: FR-4 Glass Cloth Epoxy
Dome Retainer/Rear Seal Sheet: Polyester

Housing/Buttons: Aluminum Alloy

Keypad/Gasket: Black Flourosilicone Rubber,

50 Durometer *5 **Domes:** Stainless Steel

Connector/Header: Glass Filled Polyester **Terminals:** Gold Plated, Phosphor Bronze

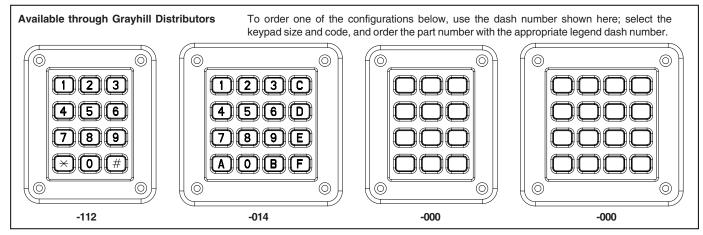
Dome Contacts Operating Features

Pre-Travel: 0.030" minimum
Operating Force: 20 *4 ounces
Operating Temperature: -55°C to 85°C
Humidity: 0 to 98% (no condensation)

Rubber Contacts Operating Features

Pre-Travel: 0.050" minimum
Operating Force: 175 ±40 grams
Operating Temperature: -55°C to 85°C
Humidity: 0 to 98% (no condensation)

STANDARD LEGENDS



HEADER CONNECTORS

Compatible with: Samtec, Inc. Header Series BCS, BSW, CES, ESW, ESQ, SLW, SSW, SSQ, IDSS and IDSD or equivalent.

AVAILABILITY

For prices and discounts, contact a local an authorized Distributor CHINATel:(010)6851-9097.

CUSTOM LEGENDS

Custom keytop graphics are available. Contact a local Sales Office or Grayhill directly to enquire about minimum requirements and costs.

ORDERING INFORMATION

