

SERIES 84R

Rugged Keypad for Tough Environments

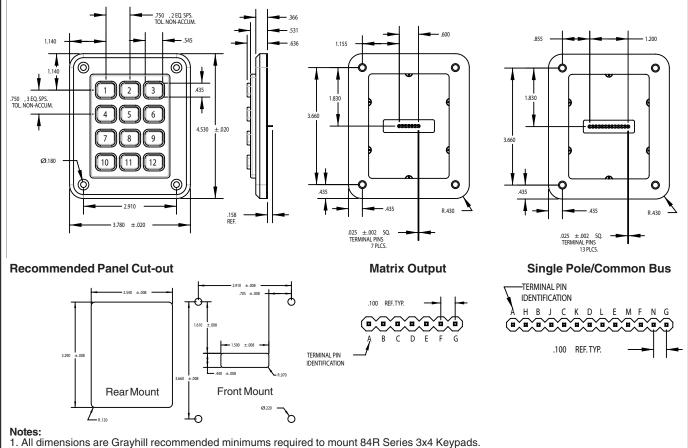
FEATURES

- •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)



2. Terminal/Connector field openings are shown for single pole/common bus circuitry.

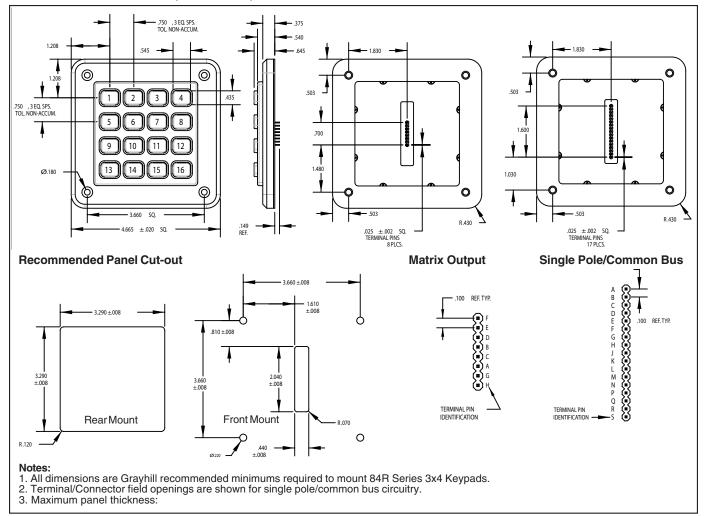
3. Maximum panel thickness:





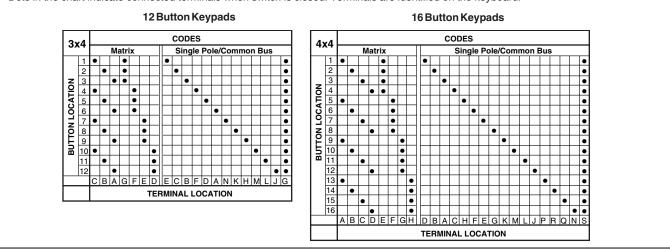


4 X 4 DIMENSIONS in inches (and millimeters)



CODE AND TRUTH TABLES

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





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.

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 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

Rubber Contacts Operating Features

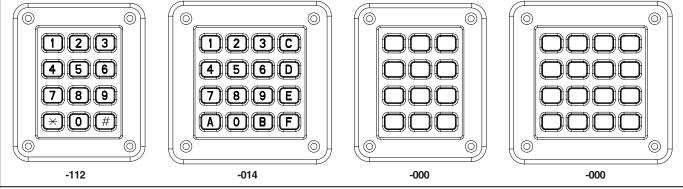
Pre-Travel: 0.050" minimum Operating Force: 175 ±40 grams Operating Temperature: -55°C to 85°C Humidity: 0 to 98% (no condensation)

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

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.



HEADER CONNECTORS

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

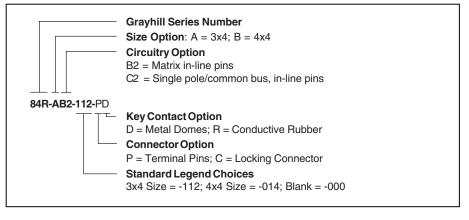
AVAILABILITY

For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.

CUSTOM LEGENDS

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

ORDERING INFORMATION



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Input Devices category:

Click to view products by Grayhill manufacturer:

Other Similar products are found below :

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