NAPCO®

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Gemini Keypads
DATA SHEET

WI1978 09/11

DESCRIPTION

This data sheet applies to the NAPCO "classic" models GEM-RP1CAe2, GEM-RP2ASe2, GEM-RP3DGTL and GEM-RP4RFC / GEM-RP4C keypads as well as the GEM-K1CA, GEM-K2AS, GEM-K3DGTL, and GEM-K4RF / K4 "K Series" keypads. The "K Series" models offer **STAY** and **AWAY** buttons with simplified functionality, along with the **MENU** and **ENTER** buttons. Note that keypad programming mode is identical for both the "classic" and "K Series" keypads; only the button names have changed, as detailed in the keypad User Guides (see **DOCUMENTATION**, below).

Note: For consistency, it is recommended that all keypads within one alarm system either be all "classic" (such as the GEM-RP1CAe2 keypad) or all "K Series" (such as the GEM-K1CA). Both keypad types should not be used in one alarm system.

ELECTRICAL RATINGS

Keypad Current:
GEM-RP1CAe2 / GEM-K1CA: 100mA; 35mA if backlighting is disabled (cut W1, W2 & W3)
GEM-RP2ASe2 / GEM-K2AS: 50mA
GEM-RP3DGTL / GEM-K3DGTL: 50mA
GEM-RP4RFC / GEM-K4RF: 75mA Standby
GEM-RP4C / GEM-K4: 45mA Standby
Note: Subtract keypad current from combined auxiliary current of the control panel.

Operating Voltage:
12VDC (supplied by control panel)

Ratings with Gemini control panels GEM-P816, GEM-P1632, GEM-P1664, GEM-P3200, GEM-P9600, GEM-X255:
  PGM Output: 5mA, 12V Special Application
  Maximum Wiring Length for each run (#22AWG): 1000' divided by total number of keypads and EZM's on run.
  Maximum Number of Keypads: 15 (each keypad must be configured for a keypad address).

MOUNTING THE KEYPAD

A keypad should be located near each exit/entry door. The keypad features a handy pull-up reference label. Before mounting the keypad onto the wall, push the Sliding Label Plate (with label and felt backing affixed and handle facing forward) down the guides at the rear of the keypad until it snaps into place. Once installed, the Sliding Label Plate cannot be removed without first removing the keypad from the wall. **Note:** (1) The keypad fire and panic keys should not be considered a substitute for a listed manual initiating device, such as a pull box. (2) Each GEM-RP1CAe2 / GEM-K1CA includes provisions for four additional zones. See the expansion zone module (EZM) instructions for additional information.

If installing onto a double-gang box, insert mounting screws through the two vertical elongated holes on the left side of the case and into the box. If the box is visible when viewed from the front, adjust the keypad vertically and tighten the screws.

Then, using hardware suitable for the mounting surface, add one or two screws at the right side of the keypad case directly into the wall to ensure a secure installation. **Note:** Do not over tighten the screws! Uneven walls may cause the keypad case to distort. **Note:** INDOOR / DRY LOCATION USE ONLY

WIRING

Connect the keypad wires to the control panel terminals as described in the control panel wiring diagrams provided in the control panel installation instructions. **Caution:** Do not run keypad wiring with loop wiring.

KEYPAD OPTIONS

The keypad may be configured to disable touchpad backlight, entry sounder and tamper switch. Refer to the label on the keypad circuit board for a summary of settings.

PHYSICAL

Dimensions:................................ 5 ⅞" x 4 ⅜" x 1" (W x H x D)
Operating Temperature:.......................................0° C to 49° C
Storage Temperature:...................................20° C to + 85° C

ORDERING INFORMATION

GEM-RP1CAe2 / GEM-K1CA: 32-Character LCD Burg & Residential Fire Keypad with 4 EOL resistor supervised Zones.
GEM-RP2ASe2 / GEM-K2AS: LCD Burg & Residential Fire Keypad with remote panic.
GEM-RP3DGTL / GEM-K3DGTL: Digital Burg and Residential Fire Keypad with remote panic.
GEM-RP4RFC / GEM-K4RF: Digital Icon Burg and Residential Fire Keypad with Integral RF Receiver.
GEM-RP4C / GEM-K4: Digital Icon Burg and Residential Fire Keypad.

AGENCY LISTINGS					
	UL365	UL609	UL1023	UL1610	SIA CP-01
GEM-RP1CAe2	Yes	Yes	Yes	Yes	Yes
GEM-K1CA	Yes	Yes	Yes	Yes	Yes
GEM-RP2ASe2	Yes	Yes	Yes	Yes	Yes
GEM-K2AS	Yes	Yes	Yes	Yes	Yes
GEM-RP3DGTL	Yes	Yes	Yes	Yes	Yes
GEM-K3DGTL	Yes	Yes	Yes	Yes	Yes
GEM-RP4RFC	No	No	Yes	No	Yes
GEM-K4RF	No	No	Yes	No	Yes
GEM-RP4C	No	No	Yes	No	Yes
GEM-K4	No	No	Yes	No	Yes