



CA111x Series Keypads

2 or 4-line LCD Keypads



Overview

The CA111x series of keypads combines advanced remote arming station and keypad functionality, smart card reader (CA1115 and CA1116 only), ease of use, and elegant styling to what is the most visible element of your Challenger system.

Available with a 2-line or 4-line LCD display, with easily readable text displaying system programming, alarm and access control functions.

The CA1115 and CA1116 keypads feature a smart card reader to eliminate the need for a separate proximity card reader. For example, entry to a facility might be granted only after a user is authenticated by both a proximity card and a PIN code.

The face of the keypad has four LEDs to indicate general system conditions. Beneath the swing-down cover, 16 additional LEDs indicate the armed state of specific security areas. The 2- or 4-line LCD screen provides details of the system status, alarm messages, or preprogrammed text. Both the LCD screen and the keys are backlit for ease of use at night or when lighting is poor. The keypad backlighting is typically programmed to turn off a few minutes after use.

Features

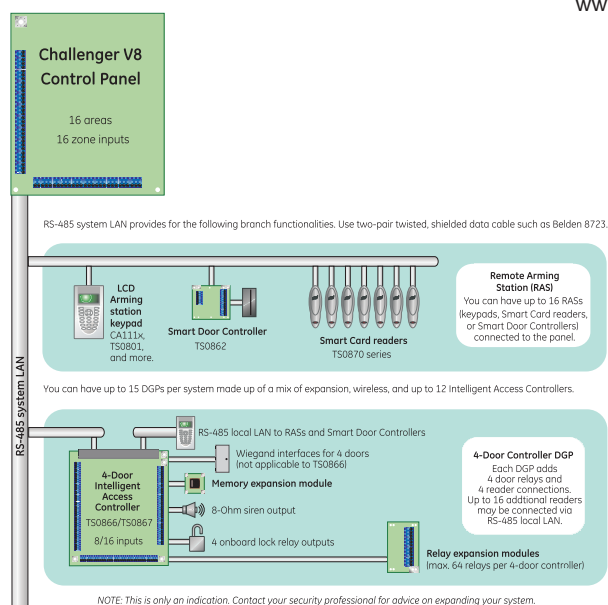
- Optional built-in proximity card reader
- Attractive styling to fit any décor
- Integrated tamper detection
- Easy to read LCD
- Can display custom message when idle such as company name or emergency phone number
- Removable front cover
- The 16 area LEDs indicate the status of corresponding areas. On indicates that the area is armed, off is disarmed, and the LED flashes to indicate fault or alarm conditions
- The text display on 4-line models (CA1111 and CA1116) may be configured for various hyphenation options.
- Customisable beeper tone
- Easy mounting with rugged metal mounting bracket and multiple conduits for wiring

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System Block Diagram



Specifications

System capacity and operations	
Total number of arming stations (keypads) per system	16 per Control Panel 16 per Intelligent Access Controller
Maximum LAN cabling distance from panel	1,500m (may be extended with LAN isolation interfaces)
Read range (CA1115 or CA1116)	6 to 8 cm
LAN monitoring	Continuous monitoring for offline conditions
LAN addressing	by DIP switches
Tamper	Integrated rear tamper switch
Open Collector (OC) output	1 (50 mA maximum current)
Display	
Liquid crystal display	2 or 4 lines of 16 characters
Backlit display and keys	Yes
LED indicators	16 area LEDs plus 4 status LEDs
Electrical	
Power supply	8.5 to 14 VDC
Operating current	95 mA maximum (CA1110 or CA1111) 165 mA maximum (CA1115 or CA1116)
Physical and Environmental	
Operating temperature	0 to 50°C
Humidity	95% non-condensing
Dimensions with cover (W x H x D)	91.5 x 165 x 25.4 mm
Colour	White
Regulatory Compliance	ACMA C-Tick for Australia and New Zealand

Ordering Information

CA1110	16-Area, 2 Line LCD Arming Station
CA1111	16-Area, 4 Line LCD Arming Station
CA1115	16-Area, 2 Line LCD Arming Station and Smart Reader
CA1116	16-Area, 4 Line LCD Arming Station and Smart Reader