



▶ DATASHEET 8101 SERIES KEYPAD



Key Features

- Control and display the status of alarm areas/zones
- Back-lit two-line x 16 character liquid crystal display (LCD)
- Compatible with Pacom 1057, 1058 and 8000 series Controllers
- Configurable messages and welcome text
- Sounder with programmable frequencies (for personal preferences)
- Automatic baud-detect for fast and easy installation
- Tamper switch
- Built-in door controller (8101 only)

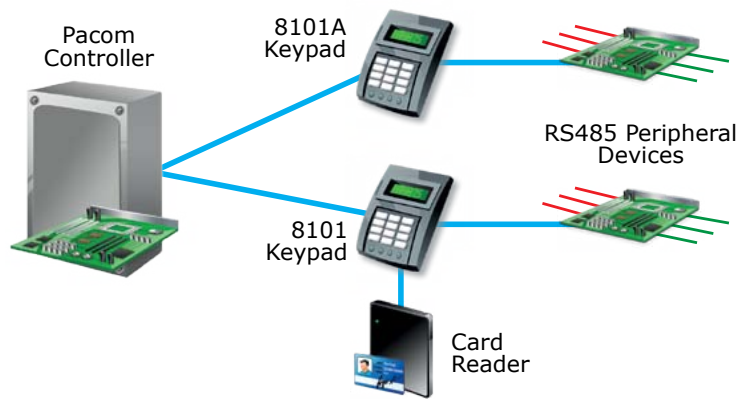
A stylish range of alarm system control keypads designed for different security applications.

The Pacom 8101 series keypad features a modern design and intuitive button symbols for simple user operation. Equipped with a 2-line x 16 character liquid crystal display (LCD) and soft-touch buttons, the 8101 keypad can be used for the local management of alarm areas.

The 8101 series keypad communicates via RS-485 to the Pacom Controller. Up to 16 keypads can be used per Controller. Any alarm area can be managed by the keypad and tri-color LEDs can be assigned to indicate the status of each area.

Two models are available. The 8101A model is designed purely for PIN-based alarm operation. The 8101 model includes an integrated single door controller for access control and simple PIN-free system operation. Both models are compatible with the Pacom 1057, 1058 and 8000 series Controllers.

System Architecture



Technical Specifications

- Dimensions: 160 x 110 x 30mm (6.3 x 4.2 x 1.2”).
- Weight: 400g (14.1oz).
- Enclosure: ABS plastic.
- Color: Black face with grey surround.
- Operating Environment: -10 to 50°C (14 to 122°F), 20 to 85% relative humidity (non-condensing) @30°C (86°F).
- Power Input: 12 to 15VDC.
- Power Consumption:
 - 8101: 170mA @ 12VDC (typical).
 - 8101A: 210mA @ 12VDC (typical).
- Status Indicator: Eight tri-color LEDs.
- Connectivity: RS485 multi-drop device port to Pacom Controller.

Compliance/Accreditation

- RoHS, China RoHS.
- CE Safety.
- EMC: CE, C-Tick, FCC Part 15.
- AS/NZ CISPR22 Class B.
- EN50131-4+A1, EN50131-1, EN50131-3, EN55011 Class B.
- UL294, UL1610, UL2017, ULC-S318.

8101-Specific Features

- Card Reader Interface: Supports Wiegand readers up to 64-bit.
- Supported Card Range: Wiegand 64-bit cards from 0 (zero) to 4,294,967,295.
- Inputs: Inputs are programmable and can be used for general purpose (intrusion) operation:
 - Two 10kΩ end-of-line monitored inputs. For access control applications, they are used for egress/request-to-exit and door status contact.
- Outputs: Outputs are programmable and can be used for general purpose operation:
 - Three open collector (100mA @ 30VDC). Generally used to control the LEDs and beeper/buzzer within the external card reader.
 - One relay (NO/NC) contact rating 1A @ 30VDC. Typically used for the door strike.
 - One internal buzzer.
- Offline “Intelligence”: The last 16 valid access card details can be stored for increased redundancy. This activates if the keypad loses RS485 communications with the Controller.
- Multi-Format: Multi-format format enables support for up to five different Wiegand card formats simultaneously. One format must be 26-bit standard, however, the remaining four can be customized and include up to three parity bits.

Order Information

Part Number	Type Code	Description
300 043 002	8101AR-001	8101A LCD alarm system operation keypad.
300 043 101	8101R-001-UL	8101 LCD door access control and alarm system operation keypad.