



D1255 Series VFD Keypads



- ▶ Easy to read vacuum fluorescent display (VFD)
- ▶ Easy system control with menu keys
- ▶ User controlled brightness and volume
- ▶ Installer configured menus, text, and custom functions
- ▶ Multiple or single area configurations

Each D1255 Series VFD Keypad model is an SDI bus compatible device that works with the G Series Control Panels and the D9124 Addressable Fire Alarm Panel. Each keypad model has an illuminated keypad, 16-character English language vacuum fluorescent display (VFD), and a sounder that emits eight tones.

Functions

Display

Every D1255 Series Keypad model uses words, numbers, and symbols to show the status of the security system. When several events occur, each model shows each event in order of priority.

Keys

Each D1255 Series Keypad model has 10 numeric keys and five function keys. Use the [COMMAND] key with the numeric keys to perform a function. Use the [ENT] key or [YES] key to enter your passcode. When pressed, each key emits light and a muted beep.

Audible Tones

The sounder emits eight distinct warning tones. You can adjust the volume or use a passcode to silence the tone. The tones include:

- Burglary Signal: Steady high-pitched bell tone during alarm.
- Fire Signal: Pulsed high-pitched bell tone during fire alarm.
- Entrance Warning: Intermittent beep tones during entry delay periods.
- Exit Warning: Intermittent beep tones during exit delay periods.
- Invalid Key Buzz: Buzz tone when an invalid key is pressed.
- Keypad Encoding Tone: Muted beep tone as each key is pressed.
- Trouble Buzzer: Two-tone warble during a trouble event.
- Watch Tone: Intermittent beep tone when a watch point is faulted.

System Overview

Use D1255 Series Keypad models in applications for system controllers and annunciators:

- For commercial use, install the keypad in building entrances and areas with unrestricted access. Mounting a keypad near exterior doors in hotel or business lobbies allows people to identify the type and location of the emergency.

- For residential use, install the keypad near the front and rear entrances to the home. Install additional keypads in a kitchen or in a bedroom.
- Use multiple keypads in a large building with many separate areas of security. Program multiple keypads to control multiple areas.
- Install the keypad in locations that are hidden from view. Audible tones from the keypad sounder alert personnel to fire events and assist fire fighters in locating the keypad.

Certifications and Approvals

| Keypad Model | Certifications and Approvals |
|---------------------------|--|
| All Models | UL365, Police Station Burglar Alarm Units and Systems UL609, Local Burglar Alarm Units and Systems UL864, Control Units for Fire-protective Signaling Systems UL985, Household Fire Warning System Units UL1023, Household Burglar Alarm System Units UL1076, Proprietary Alarm Units UL1610, Central-station Burglar-alarm Units UL1635, Digital Alarm Communicator System Units |
| D1255, D1255R, and D1255W | CSFM |
| D1255 Only | FM, MEA |

Installation/Configuration Notes

Compatibility Information

| | |
|------------------------------------|--|
| Control Panels with SDI Bus | D9412G, D7412G, D9412, D7412, D7212, D9112, and D9124 D7212G with firmware version 6.41 or higher |
|------------------------------------|--|

Mounting Considerations

- Do not mount any of the D1255 Series Keypad models in a location exposed to direct sunlight. Direct sunlight can interfere with screen visibility and damage internal components.
- Do not mount any of the D1255 Series Keypad models in damp locations.

Power Supplies

A compatible control panel supplies the power and data requirements to a D1255 Series Keypad model through a four-wire connection.

Wiring Considerations

Use 0.8 mm (22 AWG) or 1.2 mm (18 AWG) wire. Resistance cannot exceed 25 Ω. Each D1255 Series Keypad model includes a wiring assembly of four color-coded flying leads and one female four-pin connector.

Technical Specifications

Connections

Connections: 4-wire flying lead for data and power

Resistance: 25 Ω maximum

Environmental Considerations

Temperature (Operating): 0°C to +50°C (+32°F to +122°F)

Relative Humidity: 5% to 85% at +30°C (+86°F)

Keypad

Dimensions for D1255, D1255W, and D1255R: 11.7 cm x 21 cm x 2 cm (4.6 in. x 8.2 in. x 0.8 in.)

Dimensions for D1255B: 12.6 cm x 20 cm x 3.2 cm (5 in. x 7.9 in. x 1.3 in.)

Weight for All Models: 439 g (15.5 oz)

Material for All Models: CHI MEI POLYLAC® PA757 ABS with UV Stabilizer. UL94-HB Fire Rated

Display Window:

- 16-character vacuum fluorescent display
- Each character is a 14-segment unit

Indicators:

- Illuminated keys
- Warning and indicating tones

Number of...

D1255 Series Keypad Models per Control Panel: Eight supervised 32 unsupervised

Power Requirements

Voltage: Nominal 12 VDC

Current: Idle 104 mA, armed or disarmed Maximum 206 mA, with keypad lit and warning tone on

Trademarks

POLYLAC® is a registered trademark of CHI MEI Industrial Corporation, LTD. Plexiglas® is a registered trademark of Arkema.

Ordering Information

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|--|--------|
| D1255 VFD Keypad Off-white classic case. | D1255 |
| D1255W VFD Keypad White classic case. | D1255W |
| D1255R VFD Keypad Red classic case. | D1255R |
| D1255B VFD Keypad White and gray modern case. | D1255B |

Hardware Accessories

| | |
|---|------|
| D54B Brass Flush Mount Kit Back box and polished brass faceplate. | D54B |
| D54C Stainless Steel Flush Mount Kit Back box and stainless steel faceplate. | D54C |
| D55 Keypad Desk Stand Portable desk stand in smoke colored Plexiglas®. | D55 |

Ordering Information

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|--|------|
| D56 Surface Mount Conduit Box White surface mount box. | D56 |
| D56R Red Surface Mount Conduit Box Red surface mount box. | D56R |

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