

D1255 Series VFD Keypads

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Invented for life



- ▶ 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.

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.

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.

Certifications and approvals

| Region | Certification | |
|--------|---------------|---|
| USA | UL | D1255: AMCX: Central Station Alarm Units (UL1610, UL1635), AMCX7: Central Station Alarm Units Certified for Canada (cULus), AMTB: Control Panels, SIA False Alarm Reduction, AOTX: Local Alarm Units (UL464, UL609), AOTX7: Local Alarm Units Certified for Canada (cULus), APAW: Police Station Alarm Units (UL365, UL464), APAW7: Police Station Alarm Units Certified for Canada (cULus), APOU: Proprietary Alarm Units (UL1076), APOU7: Proprietary Alarm Units Certified for Canada (cULus), NBSX: Household Burglar Alarm System Units (UL1023), NBSX7: Household Burglar Alarm System Units Certified for Canada (cULus), UTOU: Control Units and Accessories - Household System Type (UL985), UTOU7: Control Units and Accessories - Household System Type Certified for Canada (cULus) |
| | UL | D1255W: AMCX: Central Station Alarm Units (UL1610, UL1635), AMTB: Control Panels, SIA False Alarm Reduction, AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464), APOU: Proprietary Alarm Units (UL1076), NBSX: Household Burglar Alarm System Units (UL1023), UTOU: Control Units and Accessories - Household System Type (UL985) |
| | FM | D1255 |
| | CSFM | see our website |
| | NYC-MEA | D1255: 12-92-E, Vol. IV 12-92-E, Vol. IV |
| | NYC-MEA | D1255: 12-92-E, Vol. 12 12-92-E, Vol. 12 |
| Canada | ULC | D1255B: AMCX7: Central Station Alarm Units Certified for Canada (cUL), AOTX7: Local Alarm Units Certified for Canada (cUL), APAW7: Police Station Alarm Units Certified for Canada (cUL), APOU7: Proprietary Alarm Units Certified for Canada (cUL), NBSX7: Household Burglar Alarm System Units Certified for Canada (cUL), UTOU7: Control Units and Accessories - Household System Type Certified for Canada (cUL) |
| | ULC | AMCX7.S1871 - Central Station Alarm Units Certified for Canada |

| Region | Certification | |
|--------|---------------|--|
| | ULC | APOU7.S1871 Proprietary Alarm Units Certified for Canada |
| | ULC | AOTX7.S1871 Local Alarm Units Certified for Canada |
| | ULC | APAW7.S1871 Police-station-connected Alarm Units Certified for Canada |
| | ULC | NBSX7.S1871 Household Burglar Alarm System Units Certified for Canada |
| | ULC | AMCX.S1871, AMCX7.S1871, AMTB.S1871, AOTX.S1871, AOTX7.S1871, APAW.S1871, APAW7.S1871, APOU.S1871, APOU7.S1871, NBSX.S1871, NBSX7.S1871, UTOU.S1871, [D1255 VFD] |

Installation/configuration notes

Compatible Control Panels

- B9512G/B9512G-E
- B8512G/B8512G-E
- D9412GV4/D7412GV4/D7212GV4¹
- D9412GV3/D7412GV3/D7212GV3¹
- D9412GV2/D7412GV2/D7212GV2¹
- D9412G/D7412G/D7212G
- D9412, D7412, D7212, and D9112 with firmware versions 6.40 or higher
- D9124

¹The D7212GV4, D7212GV3, D7212GV2, D7212G are not listed for commercial fire applications.

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.

Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Parts included

| Quant. | Component |
|--------|-----------|
| 1 | Keypad |

- 1 Hardware pack (3 screws and 3 anchors)
- 1 Literature pack
 - Pull-up Reference Card
 - Users Guide
 - Installation Guide

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 |

Ordering information

D1255 VFD Keypad

Off-white classic case.
Order number **D1255**

D1255W VFD Keypad

White classic case.
Order number **D1255W**

D1255B VFD Keypad

White and gray modern case.
Order number **D1255B**

Accessories

D54B Brass Flush-mount Kit

Back box and polished brass faceplate.
Order number **D54B**

D54C Stainless Steel Flush-mount Kit

Back box and stainless steel faceplate.
Order number **D54C**

D55 Keypad Desk Stand

Portable desk stand in smoke colored Plexiglas.
Order number **D55**

D56 Surface Mount Conduit Box

White surface mount box.
Order number **D56**

D56R Red Surface Mount Conduit Box

Red surface mount box.
Order number **D56R**

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