



D1255RB Fire VFD Keypad



- ▶ Compatible with Bosch GV2 Series control panels (firmware version 7.02 and higher)
- ▶ Compatible with D9124GV2 FACP
- ▶ Easy to read vacuum fluorescent display
- ▶ Easy system control with menu keys
- ▶ User controlled brightness and volume
- ▶ Installer configured menus, text, and custom functions
- ▶ Multiple or single area configurations

The D1255RB Fire Keypad is a full-function system controller and annunciator. This SDI bus compatible device works with the Bosch GV2 Series control panels (firmware version 7.02 and higher) and the Bosch D9124GV2 Addressable Fire Alarm Control Panel (FACP). The illuminated keypad has a 16-character vacuum fluorescent display (VFD) with each character a 14-segment unit and a sounder that emits distinct condition tones.

Functions

Display

The display uses words, numbers, and symbols to show the status of the fire system. When several events occur, each event is shown in order of priority followed by the time of occurrence. In conjunction with the 16-character VFD, four LEDs provide the following system status indications:

- Fire
- Silenced
- Supervisory
- Trouble

Keys

The keypad has ten 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 distinct warning tones. You can adjust the volume or use a passcode to silence the tone. The tones include:

- Fire signal: pulsed high-pitched bell tone during fire alarm
- Invalid key buzz: buzz tone when invalid key is pressed
- Keypad encoding tone: muted beep tone as each key is pressed
- Trouble buzz: two-tone warble during a trouble event

Certifications and Approvals

Listings and Approvals: UL AMCX: Central Station Alarm Units (UL1610)
vals:

UL APAW: Police Station Alarm Units (UL365)

UL APOU: Proprietary Alarm Units (UL1076)

UL NBSX: Household Burglary Alarm System Units (UL1023)

UL UOXX: Control Unit Accessories, System (UL864 9th edition)

UL UTOU: Control Units and Accessories – Household System Type (UL985)

Installation/Configuration Notes

Compatible Control Panels

The D1255RB Fire Keypad is compatible with the D9412GV2, D9124GV2, and D7412GV2 control panels with firmware version 7.02 or higher.

Mounting Considerations

The keypad is a low profile, surface-mounted unit molded in durable red plastic with three mounting holes in the base that allow secure, correct positioning during installation. Protect the surface-mounted keypad by mounting it to a D56 or D56R Conduit Back Box. For desktop applications, the keypad can be mounted to a D55 Desk Stand.

Note Do not install the keypad in direct sunlight. This damages the module components and makes the display less visible. Do not mount in wet or moist locations.

Wiring Considerations

The keypad connects to the control panel for data and power through a standard four-wire flying lead cable. For field wiring use 0.8 mm (22 AWG) or 1.2 mm (18 AWG) wire. Resistance cannot exceed 25 Ω. The field wiring connects to a four-wire harness supplied with the unit. This harness plugs into a four-pin connector on the circuit board through the back of the keypad.

Note Use shielded cable where excessive electromagnetic interference is a problem.

Parts Included

Quantity	Component
1	Keypad
1	Hardware pack
1	Literature pack

Technical Specifications

Environmental Considerations

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

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

Mechanical Properties

Color: Red

Dimensions: 11.7 cm x 21 cm x 2 cm (4.6 in. x 8.2 in. x 0.8 in.)

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

Power Requirements

Current: 104 mA minimum, 225 mA maximum

Voltage: 12 VDC nominal supplied by the control panel

Trademarks

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

Ordering Information

D1255RB Fire VFD Keypad Red and gray modern case.	D1255RB
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Hardware Accessories

D55 Keypad Desk Stand Portable desk stand in smoke colored Plexiglas®.	D55
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D56 Surface Mount Conduit Box White surface mount box.	D56
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D56R Red Surface Mount Conduit Box Red surface mount box.	D56R
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