EX6-43B

Standalone, surface mount keypad with RS485 and Blue back-lit keypad buttons



The **EX6-43B** is a standalone, surface mount access control keypad with blue back-lit polycarbonate buttons, making it suitable for high security applications. Its robust, compact design makes it perfect for mounting for internal door access applications.

It has an RS485 BUS interface, which is ideal for connecting additional I/O board devices including the: **RB0408** lift interface relay unit, **RU2** remote relay unit and both the **RTT** series and **DINRTT** series exit button/relay units expanding the overall relay outputs and the access control options.

Standalone Keypad

Surface mount, self-contained standalone, **IP65** rated keypad.

Compact design

Robust, hard-wearing compact design.

Back-lit keypad buttons

Blue back-lit polycarbonate keypad buttons to assist the partially sighted.

1000 programmable access codes

Program up to 1000 user access codes (up to 8 digits in length).

2 programmable relay outputs

2 relays, expandable up to 10 relays in combination with the **RB0408** lift interface relay unit.

Adjustable relay times

Programmable relay times 01 - 99 seconds or 00 for latching 'toggle' mode.

2 Push to exit inputs

Switched 0V push to exit inputs (PTE for each relay).

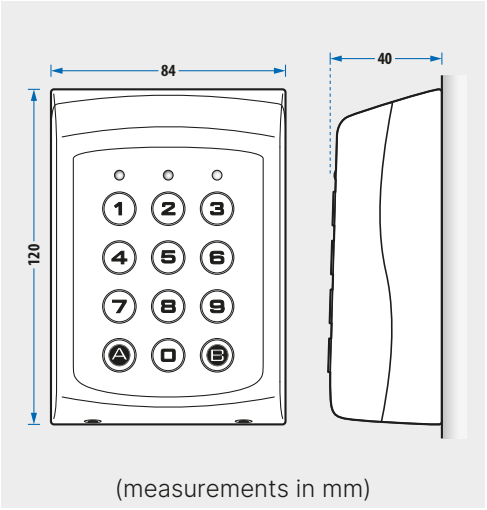
For indoor installation

Surface mount internally only.

CODELOCK

BACK LIGHT

IP65



(measurements in mm)

Other key features of the EX6-43B keypad

- Robust high impact ABS plastic housing in a white finish.
- Adjustable backlight: ON/OFF, dimmed or on button press.
- Tamper protection (2x anti-tamper inputs).
- Invalid access code lockout feature.
- Amber LED and internal buzzer for programming and status indication.
- Green and Red tension free LEDs that can be connected as desired.
- Power input 12Vac/dc or 24Vac/dc.

Technical characteristics

	EX6-43B
Description	Surface mount, standalone, self-contained 1000 code (2 relay) codelock module with blue back-lit polycarbonate keypad buttons and with RS485 bus.
Materials	High impact ABS plastic housing in a white finish.
Module protection	**IP65** ingress protection rating.
Buttons	Polycarbonate keypad buttons: **1 - 9**, **0**, **A** and **B** all back-lit blue.
Status LEDs	Green **LED** and red **LED** both tension free and can be connected as desired. Also amber **LED** = keypad button press and programming menu status.
Back light illumination and internal buzzer adjustments	Yes, through the programming menu via the keypad. Internal buzzer can be enabled (**ON**) or disabled (**OFF**). The back-lit buttons can be enabled (**ON**) or disabled (**OFF**), they can also be dimmed or be configured to switch **ON** when a keypad button is pressed.
Programming	Programming carried out directly via the keypad.
Codes & code length	Up to 1000 user access codes, with each code between 1 - 8 digits in length. User access codes can be assigned to relay 1, relay 2 or both relays.
Security measures	30 second lockout after 8 consecutive invalid user access code entries.
Terminal connections	20 terminals: 12/24Vac/dc power input: **+/-**. PTE inputs: **PB1, PB2** and **GND**. Green LED: **+/-**. Relay 1: **NC1, COM1** and **NO1**. Red LED: **+/-**. RS485 bus: **A, B** and **GND**. Tamper inputs: **TAMP1** and **TAMP2**. Relay 2: **NC2, COM2** and **NO2**.
No. of relays and relay (volts/current)	2 dry contact relays - relay 1: **NC1, COM1** and **NO1**, 10A at 24Vac/dc, relay 2: **NC2, COM2** and **NO2**, 2A at 24Vac/dc.
Relay times	Relay times **01 - 99** seconds or **00** for latching 'toggle' mode.
PTE inputs	Yes, switched 0V push-to-make inputs, one for each relay (see above).
Tamper protection	Yes, 2 anti-tamper inputs (see above) linked to internal reed switch.
RS485 bus	Yes, **A, B** and **GND** (see above). Used to network with **RB0408** lift interface, **RTT/ DINRTT** exit buttons and **RU2** remote relay. Also used for firmware updates.
Dimensions (mm)	84 (W) x 120 (L) x 40 (D).
Working voltage	12Vac/dc or 24Vac/dc power input.
Current rating	150mA (max.).
Working temperature	-20° ~ +50°C.

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