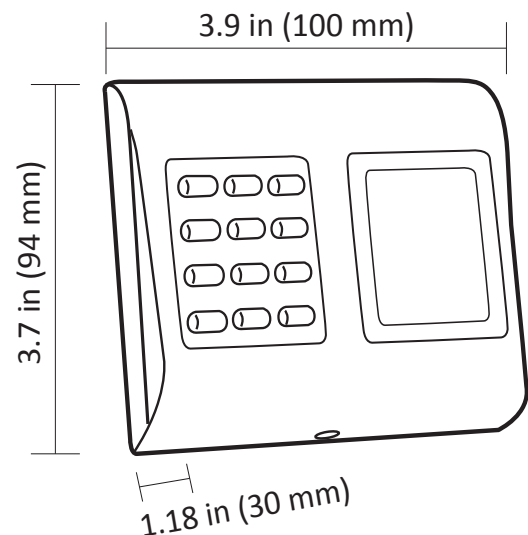
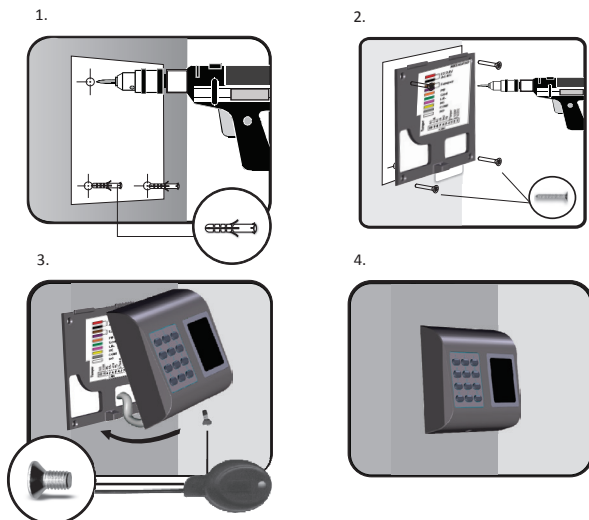




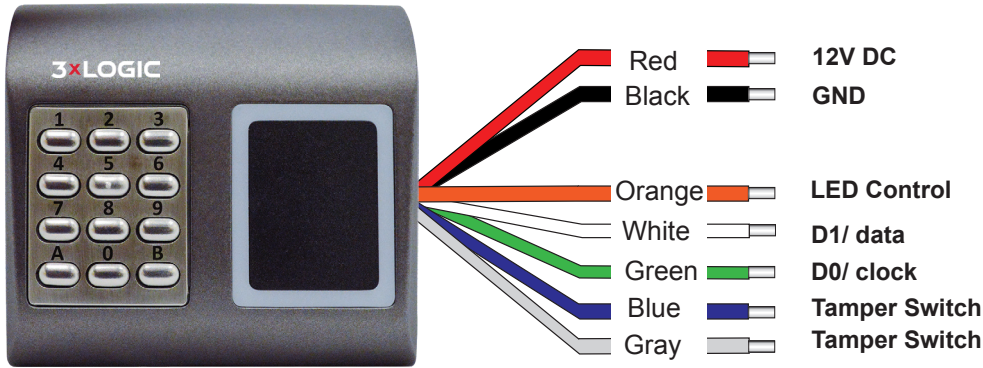
SPECIFICATIONS

Technology:	Keypad and Proximity (125 KHz, HID compatible)
Authentication:	Pin Code or Card
Proximity Reading Type:	HID (125kHz) compatible
Reading Distance:	.78 to 1.97 in. (2 to 5cm)
Interface Keypad:	Fixed Wiegand 4, 6, 8, 26, 30, 34, 37, 40, 42, 58 bit; Clock&Data
Interface Prox. Reader:	Fixed Wiegand 26, 34, 37, 42, 24, 32, 35, 40 bit or defined by card (26 to 37bits)
Cable Distance:	164 ft. (50m)
PIN Code Length:	1-8 Digits
Panel Connection:	Cable, 9.84 ft. (3m)
Green LED:	Externally controlled
Red LED:	Idle Mode
Buzzer:	Yes
Tamper:	Yes
Consumption:	Max. 140mA
Power Supply:	9-14V DC
Indoor/Outdoor:	Indoor and Outdoor Use
Operating Temperature:	-4° to 122°F (-20° to 50°C); non-condensing
Dimensions:	3.94L x 3.7W x 1.18H in. (100L x 94W x 30H mm)
Housing:	Moulded Aluminum
Color:	Charcoal
Levels of Access Control:	Destructive attack: Level I Line security: Level I Endurance: Level IV Standby power: Level I

MOUNTING THE HARDWARE



WIRING DIAGRAM

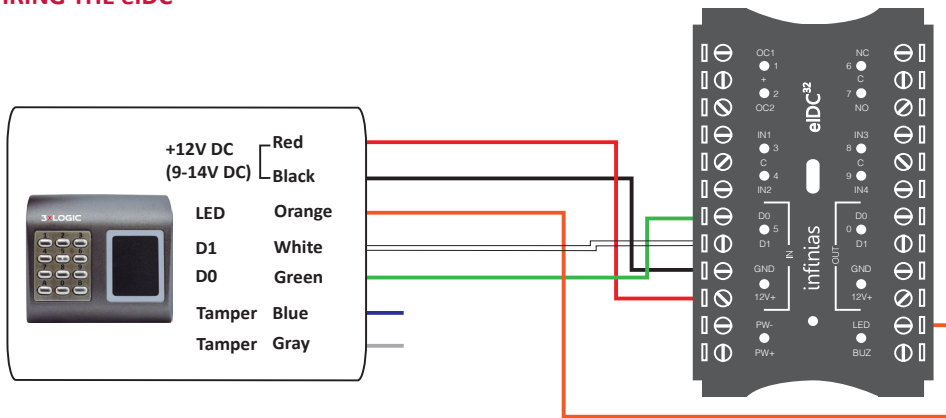


Power Supply

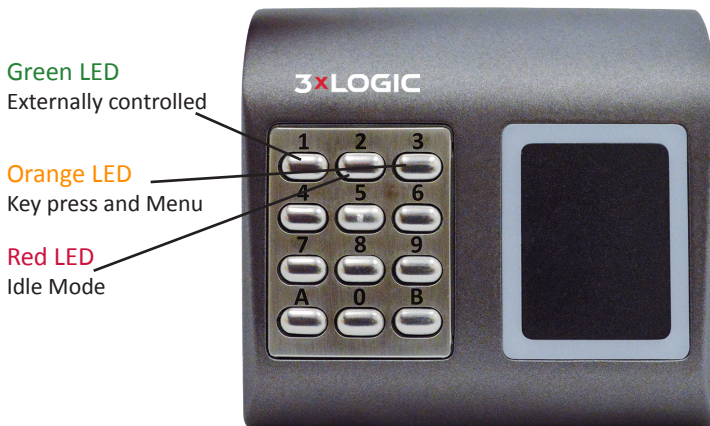
Warning: Incorrect wiring and use of power supply out of the specified range may cause improper behavior or permanent damage to the device! Reading distance may be decreased in presence of strong electromagnetic field in the area.

Wiegand

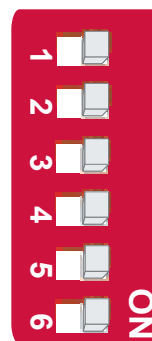
WIRING THE eIDC³²



KEYPAD KEY COLOR LEGEND



DIP SWITCH CONFIGURATION

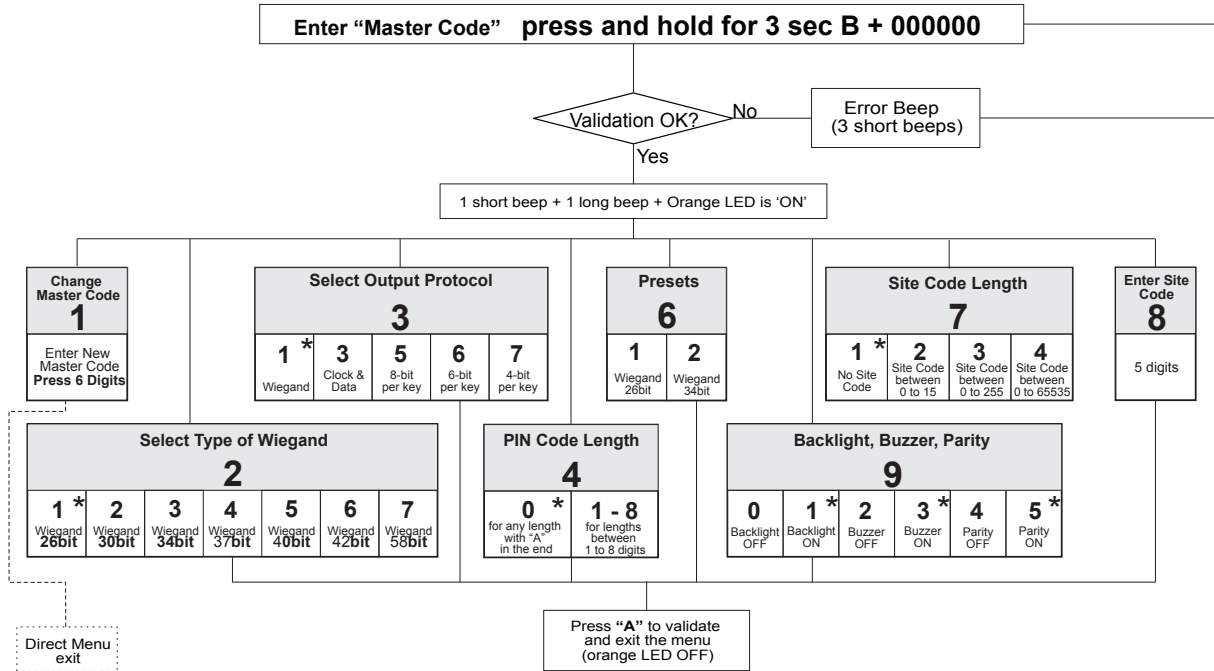


1. Backlight ON/OFF (If On, Backlight is Off)
2. Buzzer ON/OFF (If On, Buzzer is Off)
3. W1-Wiegand1
4. W2-Wiegand2
5. No Parity
6. Card Type (Wiegand Format)
OFF = Defined by the Card (Default)
ON = Defined by DIP switches 3,4 and 5

REDEFINING MASTER CODE

1. Disconnect Power.
2. Press and hold "A" and reconnect Power.
3. Hold the "A" Key for at least 3 seconds.

FLOWCHART FOR PROGRAMMING THE KEYPAD



Default values marked with *

Submenu 1 - Change Master Code: The Master Code must be 6 digits. After enrolling new Master Code the R-MPKW-CHAR-AH automatically exits the Menu and the new master code must be typed to enter the menu.

Submenu 2 - Select Type of Wiegand: The Keypad can be adjusted to send 7 different Wiegand Outputs. The Wiegand selected must be the same as the controller’s Wiegand Input where R-MPKW-CHAR-AH Keypad is connected. Example: If you use a controller that recognizes Wiegand 34bit, then enter the menu of R-MPKW-CHAR-AH, press 2, then press 3.

Submenu 3 - Select Output Protocol: The Keypad can send the Access Code and the Card Number by different Protocols. When “Single Wiegand” is selected, what is typed on the Keypad the same will be sent as Wiegand Number.

Submenu 4 - PIN Code Length: If “0” is selected, then any PIN Code with any length can be sent, but the PIN Code is typed with “A” for confirmation(ex. 123 + A). If 1 to 8 is selected the PIN Code length is determined by the number selected.

Submenu 5 - Entry Mode: “Only PIN Code” is disabling the proximity and R-MPKW-CHAR-AH works as keypad only. “Only Card” is disabling the Keypad and the R-MPKW-CHAR-AH works as Proximity Reader. “Card or PIN Code” enables normal operation.

Submenu 6 - Presets: The Presets are set of pre programmed parameters for easy programming.

Submenu 6-1 “Wiegand 26bit Normal” - Type: Wiegand 26bit; Output: Single Wiegand; PIN Length: 4 digits; Entry Mode: Card or PIN Code

Submenu 6-2 “Wiegand 34bit Normal” - Type: Wiegand 34bit; Output: Single Wiegand; PIN Length: 4 digits; Entry Mode: Card or PIN Code

Submenu 7 - Site Code Length: Set the Site Code length sent to Host. The Site Code can be adjusted for both Access Code and Card. Default value is “0”. To be used only in specific cases.










Submenu 8 - Enter Site Code: Put the site code always in 5 digit format (ex. 00170).

Submenu 9 - Backlight, Buzzer, Parity: Turns ON/OFF the backlight, buzzer and the parity bits in the Wiegand output.

Note: Entering Menu is always done by pressing and holding B for 3 seconds + 000000.

PROGRAMMING THE PROXIMITY READER

Use the DIP switch numbers 3,4 and 5 to select the desired Wiegand Output

	Position			
	3 Wiegand 1	4 Wiegand 2	5 No Parity	
W 26bit (Default)	OFF	OFF	OFF	
W 34bit	ON	OFF	OFF	
W 37bit	OFF	ON	OFF	
W 42bit	ON	ON	OFF	
W 24bit	OFF	OFF	ON	
W 32bit	ON	OFF	ON	
W 35bit	OFF	ON	ON	
W 40bit	ON	ON	ON	

TESTING AND MAINTENANCE

Testing the Keys: Press all keys. Each press should result in short beeps and orange LED blink.

Testing the Output: Connect the device to a controller as specified in this manual and press any key combination. See in the controller's software if a number displays on the screen.

Testing the Green LED: Connect the orange wire on GND, while the device is powered and the green LED should turn ON.

Testing the Programming Menu: Press and hold for 3 seconds B + 000000 and the device should enter the menu (short + long beep, Orange LED - ON).

No special maintenance needed.

Note: The lead shall not be spliced to a conductor larger than 18 AWG (0.82 mm²).