



WIEGAND KEYPAD

KP-3426 KP-2626



Model: KP3426 (3 col / 4 row) / KP2626 (2 col / 6 row)
Protocol: Wiegand 26
Power Supply: 12 VDC
Power Standby Consumption: less than 30 mA
Mounting: Single Gang Switch Box, or directly to the wall.
Environment: IP68 ; 100% relative humidity
Temperature: - 40° to + 70°C
CLICK-N-LOCK mounting screws protection

26 BIT WIEGAND SPECIFICATIONS WIRING

COLOR	FUNCTION	ELECTRICAL FUNCTION
RED	Input Voltage	12 VDC
BLACK	Ground	
GREEN	Data 0	Open collector 1Kohm pull-up to internal +5V
WHITE	Data 1	Open collector 1Kohm pull-up to internal +5V
BROWN	LED Input	Do not apply voltage
BLUE	CCTV output	Open collector 0,250 A activated with each key for 30 sec
VIOLET	Housing Ground	
ORANGE	Buffered Input	
GREY	Tamper Output	Open collector 0,100 A "Low" when light sensed

When the LED control input is pulled low, the GREEN LED will be ON and the RED LED will be OFF. When the input goes high the RED LED is ON and the GREEN LED is OFF. The RED LED will flash with each key press. The LED control input is pulled to the internal +5v with a 2.2K resistor.

The data is sent at 1 msec per bit with a pulse duration of 50 µsec. A Buzzer beeps with each key press.

The following WIEGAND output is sent each time the # (enter) key is pressed.

P S S S S S S S N N N N N N N N N N N N N N N P

BIT 1 2 9 10 25 26

BIT 1 is an even parity for the following 12 bits. The sum of bits 1-13 is even.

BITS 2-9 are the programmable SITE CODE. Pressing * during the first 3 seconds on unit's power up

It is possible to program the site code. Any number from 000 to 255.

BITS 10-25 this is the number entered prior to pressing # (enter).

Leading 0's are added as required. Bit 10 is most significant.

BIT 26 Odd parity over previous 12 bits. The sum of bits 14-26 is odd.

EXAMPLE: A code of 123 entered: 1 0 0 0 0 1 0 0 0 0 0 0 0 0 1 1 1 1 0 1 1 1 (site code 004)

The data is sent at 1 msec per bit with a pulse duration of 50 µsec. A Buzzer beeps with each key press.



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