ACCESS CONTROL ASW2626S / ASW2634S

Model: ASW2626S – ASW2634S
Protocol: Wiegand 26 with Programmable site code
Power Supply: 12   to   28 VDC
Power Standby Consumption: less than   30 mA
Mounting: Single Gang Switch Box, or directly to the wall.
Environment: IP68 ; 100% relative humidity
Temperature: - 40º   to   + 70ºC
CLICK-N-LOCK mounting screws protection

26 BIT WIEGAND SPECIFICATIONS
WIRING

COLOR	FUNCTION	ELECTRICAL FUNCTION
RED	Input Voltage	12 - 28 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 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 0 1 0 0   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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NOTES:

Wiegand keypads are programmed with default Site Code "000".

Example to set site code to 100

Disconnect the power supply for min. 10 seconds. Connect the power supply. During the first 3 seconds perform the following:

☞	**Enter ★**	**The keypad enters programming mode, the red LED flashes**
☞	**Enter 100#**	**The site code 100 is assigned**

Blue Wire PRESSING any key on the keypad will generate a 30 seconds 0.25 amp intermittent duty grounding output.

Orange Wire When the Hold Line, Orange wire, is pulled "low", any codes entered on the keypad are stored in the buffer. When the Hold Line is released to a logic "high" – the buffered code data is sent.

Grey Wire When the photodiode senses ambient light the wire is pulled "LOW"

An error code is generated by any of the following: a) Pressing the # key with no preceding digits; b) Pressing any number of only zero's prior to pressing the # key, or; c) Pressing 65,535 or any number above 65,535. An Error Code will send all binary 1's to your panel.

Do Not Program your panel to accept code number 65,535.

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