



Tel: 1-800-622-5625

Models : **EVS-341X-AA , EVS-261X-AA**

Protocol: 8 BIT Word

Power Supply: 12 to 28 VDC

Standby Power Consumption: less than 30 mA

Environment: IP68; 100% relative humidity

Mounting: Single gang box or directly to wall

Optical Antitamper Protection

Temperature: - 40°C to + 70°C, -40°F to +158°F

### 8 BIT WORD 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 for 30 sec, with any key (non cumulative) |
| VIOLET | Housing Ground |  |
| YELLOW | LED Input      | LED control  |
| ORANGE | LED control    | 1 or 2 LED Select  |
| GREY   | Tamper Output  | Open collector 0.100 A "Low" when light sensed                             |

Data 1 and Data 0 are Open Collectors with 2.2 Kohm Pull-Up. The data is transmitted at 1msec. With a duration of 50 µsec. The buzzer sounds with each key press.

Each key press generates the defined 8 bit Output as shown:

| KEY | OUTPUT   | KEY | Output   |
|-----|----------|-----|----------|
| 0   | 11110000 | 6   | 10010110 |
| 1   | 11100001 | 7   | 10000111 |
| 2   | 11010010 | 8   | 01111000 |
| 3   | 11000011 | 9   | 01101001 |
| 4   | 10110100 | *   | 01011010 |
| 5   | 10100101 | ES  | 01001011 |

#### NOTES:

- Blue Wire** PRESSING any key on the keypad will generate a 30 second 0.25 amp intermittent duty grounding output.
- Orange Wire** The Orange wire controls the RED & GREEN LED signaling on the Keypad.
  - ORANGE not grounded. The BROWN wire controls the RED LED. The Yellow wire controls the GREEN LED.
  - ORANGE grounded. If the BROWN wire is grounded the GREEN LED is ON and RED LED is OFF. If the BROWN wire is not connected the RED LED is ON and the GREEN LED is OFF.
- Gray Wire** When the photodiode senses ambient light the wire is pulled "LOW"