

INSTALLATION INSTRUCTIONS

2x6 Raised Profile

ACTIVE METAL™ KEYPADS

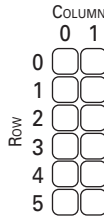
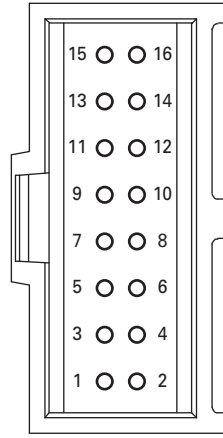
BEYOND DURABLE.™

Pin-Out Configurations:

Pin No.	RS-232	Wiegand
1	+9 to 24 VDC	+9 to 24 VDC
2	Aux. Out	Aux. Out
3	TX Data	—
4	—	—
5	—	Data 0
6	—	Data 1
7	—	—
8	—	—
9	—	—
10	—	—
11	—	—
12	—	—
13	Red LED*	Red LED*
14	Green LED*	Green LED*
15	Ground	Ground
16	Ground	Ground

* For 1-wire or 2-wire LED control mode, see Keypad Programming on reverse side

Diagrams



Back view

(mates with Molex® 16-pin female connector part number 90142-0016, not included)

ASCII Serial Output:

ASCII Output is for Matrix and Serial Keypads. The output is independent of the Legend Style (calculator or telephone).

	Column 0	Column 1
Row 0	1	2
Row 1	3	4
Row 2	5	6
Row 3	7	8
Row 4	9	0
Row 5	A	B

Sensitivity and Audio Settings:

Within the first 8 seconds after power up, press one of the following keys (see Key Map above) to select the sensitivity and audio settings. If one of these keys are not pressed during the first 8 seconds after power up, the last setting prior to power down will be used.

- | | |
|---|--|
| Row 0, Column 0 — Low sensitivity (heavier touch), Sound On | Row 1, Column 0 — Low sensitivity (heavier touch), Sound Off |
| Row 0, Column 1 — Med sensitivity (standard touch), Sound On** | Row 1, Column 1 — Med sensitivity (standard touch), Sound Off |
| Row 0, Column 2 — High sensitivity (lighter touch), Sound On | Row 1, Column 2 — High sensitivity (lighter touch), Sound Off |

** Default Setting

Dimensions / Mounting Diagrams:

Continued on reversed side.

Design and specifications subject to change without notice due to continuing product improvements

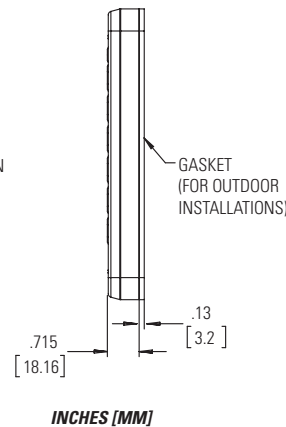
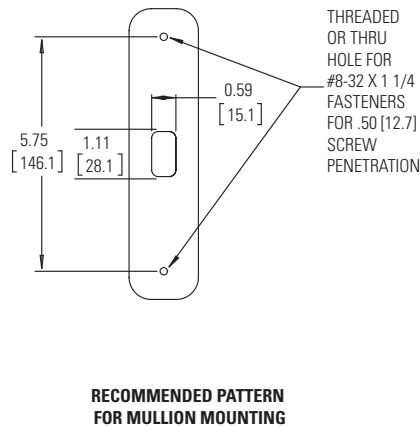
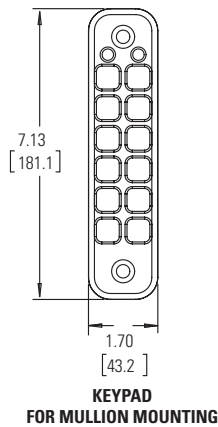


This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

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Dimensions / Mounting Diagrams:



For outdoor installations use the sealing washers and gasket (provided), and a weatherproof backbox, seal the wire entry locations with silicone and provide a drain hole. In addition, use anti-oxidant grease for wire harness connections.

Keypad Programming:

Keypad programming is done within the first 8 seconds of power up. During this time the keypad sensitivity and sound output can be changed and 1-wire or 2-wire LED control set. The 8 second clock is reset after each modification allowing multiple changes to be made within a single power on. After 8 seconds without an entry, the keypad leaves the programming mode indicated by two short beeps. Keypads can be programmed as follows:

- 1.) Power unit up by making appropriate connection (see Connector Pin-out on reverse side).
- 2.) To set LED control wires:
 - Enter "7#" for a single LED control wire. Pins 13 and 14 must BOTH be connected to this single control wire:
 - Control wire at +5V = Green LED on; Red LED off
 - Control wire at 0V = Red LED on; Green LED off
 - Enter "8#" for two LED control wires. Pull pin 13 to ground to turn on Red LED. Pull pin 14 to ground to turn on Green LED.
- 3.) To change the sensitivity or sound settings, within the first eight (8) seconds of power up, enter one of the keys below followed by the # key.
 - a.) Press 1 # — Low sensitivity, Sound On
 - b.) Press 3 # — Med sensitivity, Sound On
 - c.) Press 5 # — High sensitivity, Sound On
 - d.) Press 2 # — Low sensitivity, Sound Off
 - e.) Press 4 # — Med sensitivity, Sound Off
 - f.) Press 6 # — High sensitivity, Sound Off

NOTE: If nothing is pressed the unit will default to the last setting entered. The factory setting is Medium sensitivity, Sound on (b). Incomplete entries are timed out in approximately 8 seconds and indicated by 2 long beeps.

Note:

Any loss of power will retain the last stored Sensitivity / Buzzer selection and LED Control Settings provided no buttons are activated within the first eight (8) seconds of power up.