Installation VP-6100 Veriprox™ and VP-6200 V-Pass®

Description

The Model VP-6100 Veriprox™ Proximity Reader with fingerprint verification allows you to read cards and fingerprints for access control applications. The Model VP-6200 V-Pass Fingerprint Reader allows you to read fingerprints without the use of proximity devices for access control applications. The Veriprox and V-Pass use the Wiegand protocol to interface with any DMP Command Processor™ panel via a DMP Model 733 Wiegand Interface Module or a Model 791 or 793 Easy Entry™ keypad.

Weatherproofing

Both the Veriprox and V-Pass are suitable for indoor or outdoor use, however, weatherproofing is required for outdoor use. When mounting in an outdoor application, it may be necessary to seal the reader or protect the installation with a weather shield. After all connections are made, a tube of dielectric grease is recommended to coat field connections to seal out moisture.

Installation

The Veriprox and V-Pass units are constructed out of durable ABS plastic. The 2 inch wide mounting plate is also constructed out of ABS plastic, and the interface between the mounting plate and the Veriprox is aluminum. This provides for a very lightweight, yet sturdy installation. The unit is designed to be compatible with mullion mount applications and can also be mounted on any flat surface. The readers are secured to the mounting plate using the supplied screws.

Consideration should be given for the location of the units. The position on the wall should be in-line with other switch plates or fixtures. Locate approximately 54 inches from floor to top of the unit, on the knob-side of door, and in accordance with ADA (Americans with Disabilities Act) guidelines.

Mounting

Attach the mounting plate using up to 6 screws to secure it in place. The center two holes on the mounting plate are positioned to allow mounting to a single-gang box. The four outer holes are for secure mounting to drywall or other flat surfaces. Attach the mounting plate securely to a flat surface. The unit is then attached to the mounting plate with the 4 screws included. See Figure 1.

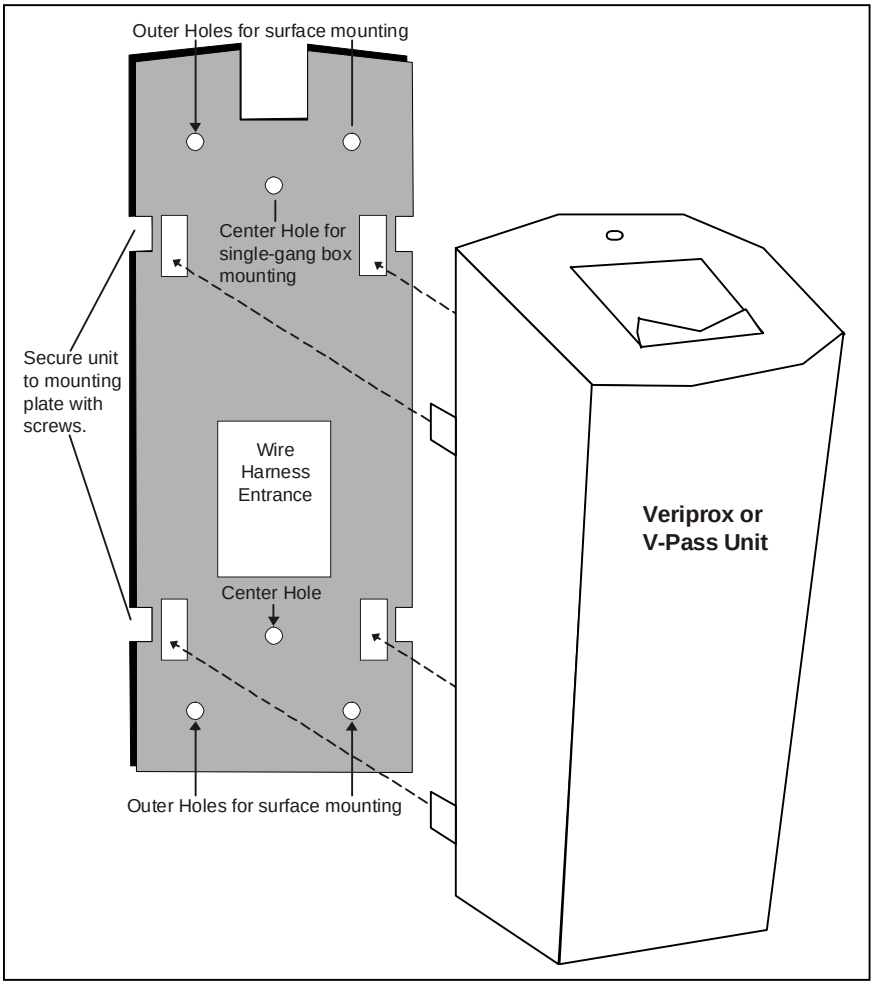

Figure 1: Mounting

Wiring

The unit is connected to either a DMP 733 Wiegand Interface Module or Easy Entry 791/793 keypad. Connect the wires using the information in Figures 2, 3, and 4. Not all wires included in the wiring harness are used.

Note: The Veriprox and V-Pass casing must be grounded to prevent electrostatic discharge (ESD) from interfering with operation. Attach the shield wire (WHT/BLK) to an earth ground locally.

Veriprox and V-Pass			733 Wiegand	791 and 793
Pin #	**Wire Color**	**Signal Name**	**Interface - J3**	**Keypads**
1	RED/BLK	Wiegand Out Data 0	GRN	GRN/WHT
2	GRN/BLK	Wiegand In Data 0	N/A	N/A
3	ORG	Wiegand Out Data 1	WHT	WHT
4	ORG/BLK	Wiegand In Data 1	N/A	N/A
6	RED	Wiegand GND	N/A	N/A
11	BLK	GND	BLK	BLK
12	GRN/WHT	GND	N/A	N/A
13	BLU/WHT	Unregulated input (6-32 VDC)	RED	RED
14	BLU	Regulated input (5 VDC)	N/A	N/A
15	WHT/BLK	Shield	EARTH GROUND	

Figure 2: Wire Harness

733 Wiegand Interface Module

The VP-6100 and VP-6200 may be connected to a DMP Model 733 Wiegand Interface module as shown in Figure 3. Please refer to the 733 Wiegand Interface Module Installation Sheet (LT-0343) for more detailed information.

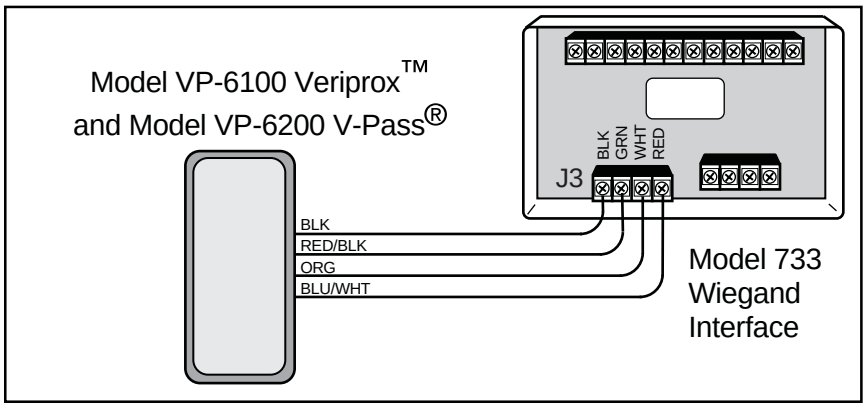

Figure 3: 733 wiring

791 and 793 Keypad

The VP-6100 and VP-6200 may be connected to a DMP Model 791 or 793 keypad as shown in Figure 4. Refer to the 791/793 Keypad Installation Sheet (LT-0291) for more detailed information.

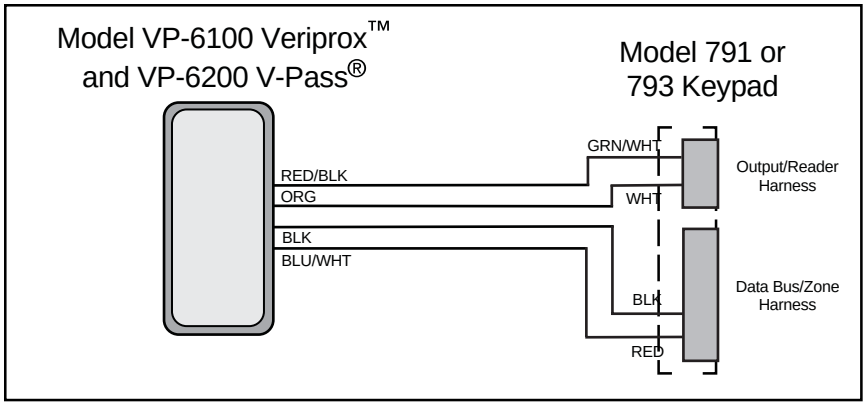

Figure 4: Keypad wiring

Maintenance

The Veriprox/V-Pass is designed to provide continuous service with minimal routine maintenance. However, contaminates will tend to accumulate on the read head. Without regular cleaning, this will shorten the life of the read head and increase the probability of read errors.

Note: A maintenance schedule should be developed based on the environment and usage.

Specifications

Dimensions	5.12" L X 1.95" W X 2.20" D
Enrollment Time	< 3 seconds
Verification Time	< 1 second
Number of Templates:	
VP-6100 Veriprox™	4000 per unit
VP-6200 V-Pass®	200 per unit
Supply Voltage	12 VDC
Standby Current	.60 Amps
Maximum Current	.350 Amps
Communication	Wiegand
Mounting Style	Mullion, Single-gang, or flat