REV	DESCRIPTION	DATE	APPROVED
D	REVISED PER EO #E5395-15		

NOTE: Cover sheet is for Revision Control only, and is not to be sent with document.

REV																	
SHEET	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	59	50	51
REV																		
SHEET	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
REV STATUS			D	D	D	D												
OF SHEETS			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

TOLERANCES	APPROVALS	DATE	HID CORPORATION
.XX = +/- .03”	DWN E. DeQuiroz	081597	IRVINE, CALIFORNIA
.XXX = +/- .010”	CHK GRIFFIN	082297	Installation Manual,
ANGLES = +/- 1°	APVD OKUDA	082297	ThinLine II Reader
MATERIAL N/A	APVD SIMPSON	082297	
FINISH N/A	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION. IT MAY NOT BE DISCLOSED TO OTHERS OR USED FOR MANUFACTURING PURPOSES WITHOUT THE PERMISSION OF HID CORPORATION.	P/N 5395-902	REV D
SCALE N/A		SIZE A	SHEET 0 OF 3

Install Manual – 5395-902 Rev D

ThinLine II™ Installation Manual

- THINLINE II^{M} Reader with snap-on cover and 18” cable
1

- #6-32 x 1” self-tapping panhead screw
2

- Installation manual
1

- Wire splice
9

- DC Power supply 5.0 VDC or 12 VDC
2

Mounting Instructions

- Determine an appropriate mounting location. The reader may be mounted to any surface, including metal.
- Drill two (2) 3/32-inch (2.5mm) holes approximately 1 inch deep for mounting the reader.
- Drill a 5/8-inch (16mm) hole for the cable.
- Remove the snap-on cover from the reader and secure the reader to the mounting surface.
- Route the cable from the reader and/or power supply to the host. A linear type power supply is recommended. Check all electrical codes for proper cable installation.
- For best operation, the drain wire should be disconnected at the power supply end of the cables.
- For the cable connection to the Panel - Use Alpha #1299C or equivalent.
- Test the operation of the reader. After completion of the test, replace the snap-on cover.
- See sheet 3 of this manual for the appropriate dimensioned drawings.

Connecting the Reader to the Host

Connect the reader to the host according to the wiring table below and the host installation guide.

Wiegand Clock & Data Wire Color
+DC +DC Red
Ground Ground Black
Data0 Data Green
Data1 Clock White
Shield Ground Shield Ground Drain
Green LED Green LED Orange
Red LED Red LED Brown
Beeper Beeper Yellow
Hold Hold Blue
--- Card Present Violet

Testing and Operation

- When power is applied to the reader the LED will flash green three (3) times while the beeper beeps simultaneously. The LED will then turn red. This indicates that the microcontroller is operating properly.
- Present an ID card to the reader. The LED will momentarily turn green while the beeper beeps once, indicating that the card was read successfully.

Important Product Specifications

Power requirements (linear supply)

Operating Voltage Range	5.0 – 16.0 VDC
Absolute Maximum Voltage	18 VDC
Peak Current	80 Ma
Average Current 5V or 12V	20 Ma
Maximum cable distance To host	500 ft (153 m)

FCC Compliance Statement: 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.

Front, side, and back view

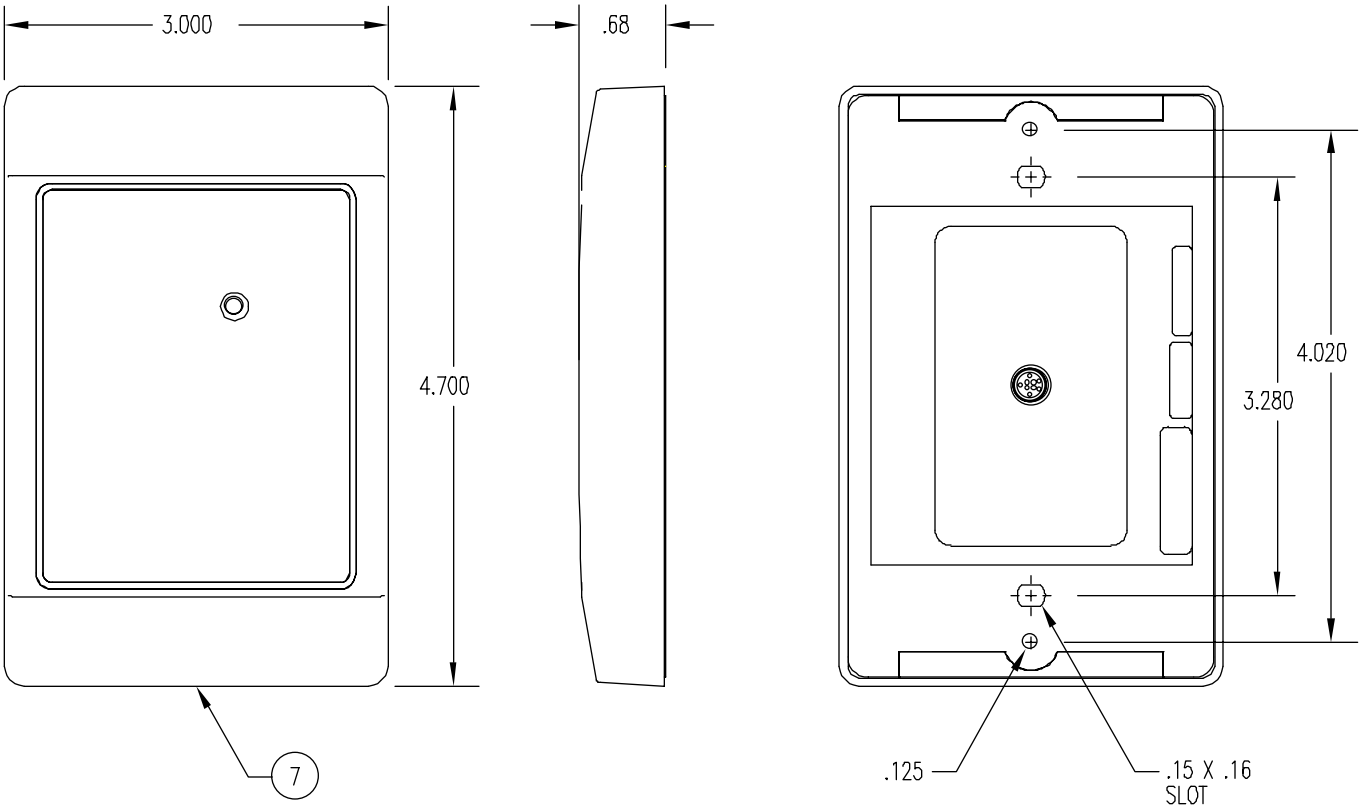

Figure 1