

REV	DESCRIPTION										DATE		APPROVED					
D	REVISED PER EO #E5395-15																	
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SHEET	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	59	50	51
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TOLERANCES			APPROVALS				DATE			HID CORPORATION  IRVINE, CALIFORNIA  Installation Manual,  ThinLine II Reader								
.XX = +/- .03"			DWN E. DeQuiroz				081597											
.XXX = +/- .010"			CHK GRIFFIN				082297											
ANGLES = +/- 1°			APVD OKUDA				082297											
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

## Connecting the Reader to the Host

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

- THINLINE II<sup>M</sup> 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

Wiegand  
Clock & Data  
Wire Color

+DC  
+DC  
Red

Ground  
Ground  
Black

Data0  
Data  
Green

Data1  
Clock  
White

## 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.

Shield Ground  
Shield Ground  
Drain

Green LED  
Green LED  
Orange

Red LED  
Red LED  
Brown

Beeper  
Beeper  
Yellow

Hold  
Hold  
Blue

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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**

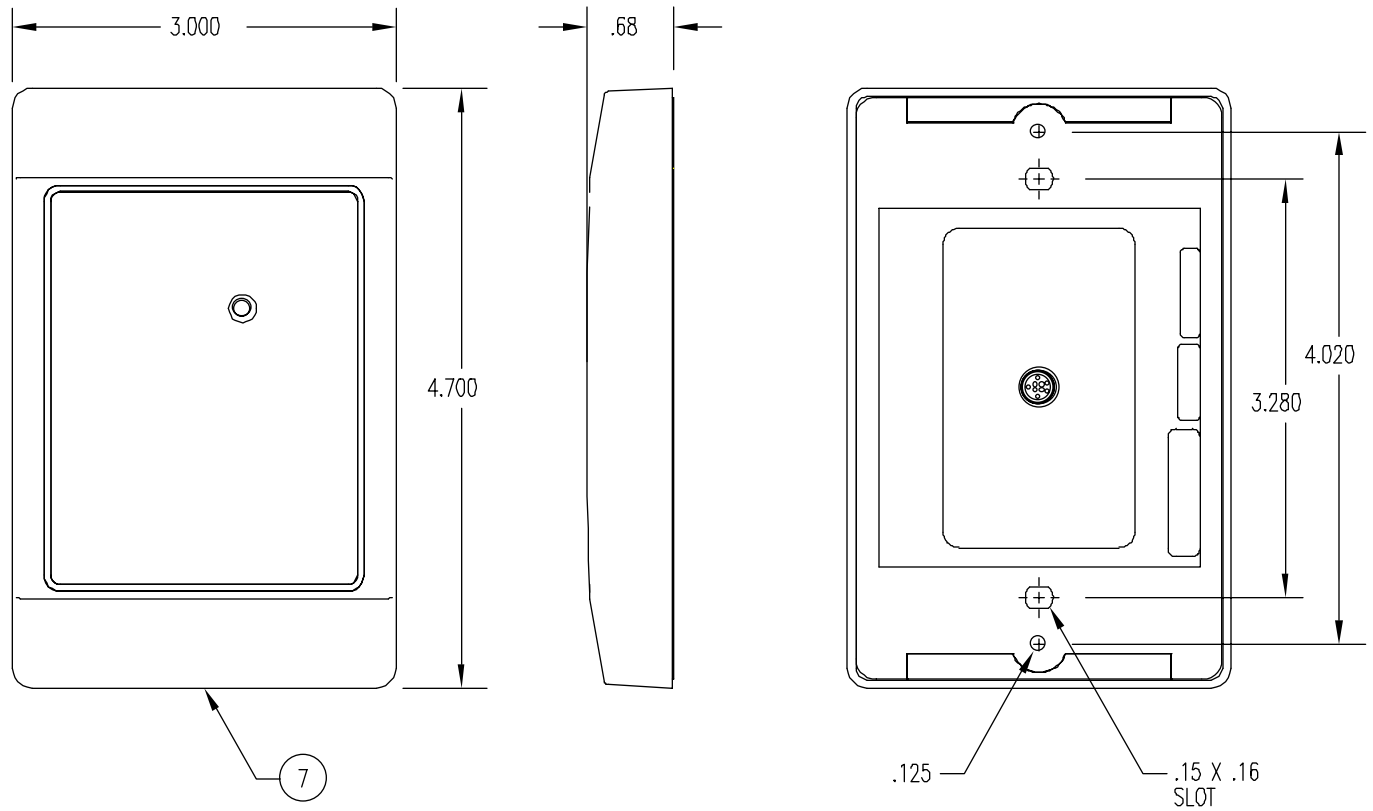
#### **Power requirements (linear supply)**

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            500 ft (153 m)  
To host

**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**