


REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	INITIAL PROTOTYPE RELEASE		
2	Revised specs		
A	INITIAL RELEASE		

REV																												
SHEET	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
REV STATUS OF SHEETS	REV				2	2	2	2																				
	SHEET				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

EXCEPT AS NOTED DIM ARE IN INCHES PER ANSI Y14.5	DO NOT SCALE DRAWING				 IRVINE, CALIFORNIA	
	.XX .XXX ANGLES +/- .01 +/- .005 +/- 1°	APPROVALS	DATE	DWG DESCRIPTION		
MATERIAL:	DRW: ANDRESKY	11/29/00	MANUAL, INSTALL, IQ CARD READER			
	CHK:	MMDDYY				
FINISH:	APVD:	MMDDYY	SIZE	CAGE CODE	DWG NUMBER	REV
	APVD:	MMDDYY	A		6055-910	A
			SCALE: N/A			SHEET: 1 of 5

Install Manual – 6055-910 Rev 2  
IQ Card Reader

- IQ Card 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 12 VDC  
1

## 1 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 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.
- For proper regulatory compliance, the drain wire should be disconnected at the power supply end of the cable.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- The Reader is intended to be powered from a limited power source output of a previously certified

## 2 Connecting the Reader to the Host

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

Signal	9-14 VDC
Color	Red
Signal	Beeper
Color	Yellow
GND	
Black	
HOLD	
Blue	
D0	
Green	
CARD PRES	
Violet	
D1	
White	
RX	
Pink	
GRN LED	
Orange	
DTR	
Gray	
RED LED	
Brown	
TX	
BLU/WHT	
SHLD GND	
Drain	

## 3 Testing and Operation

- When power is applied to the reader the beeper will beep once then the LED will flash green once

- power supply.
- For installation in 15 EU countries, see addendum (dwg #6055-911) for additional installation instructions.
- then red once.
- 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

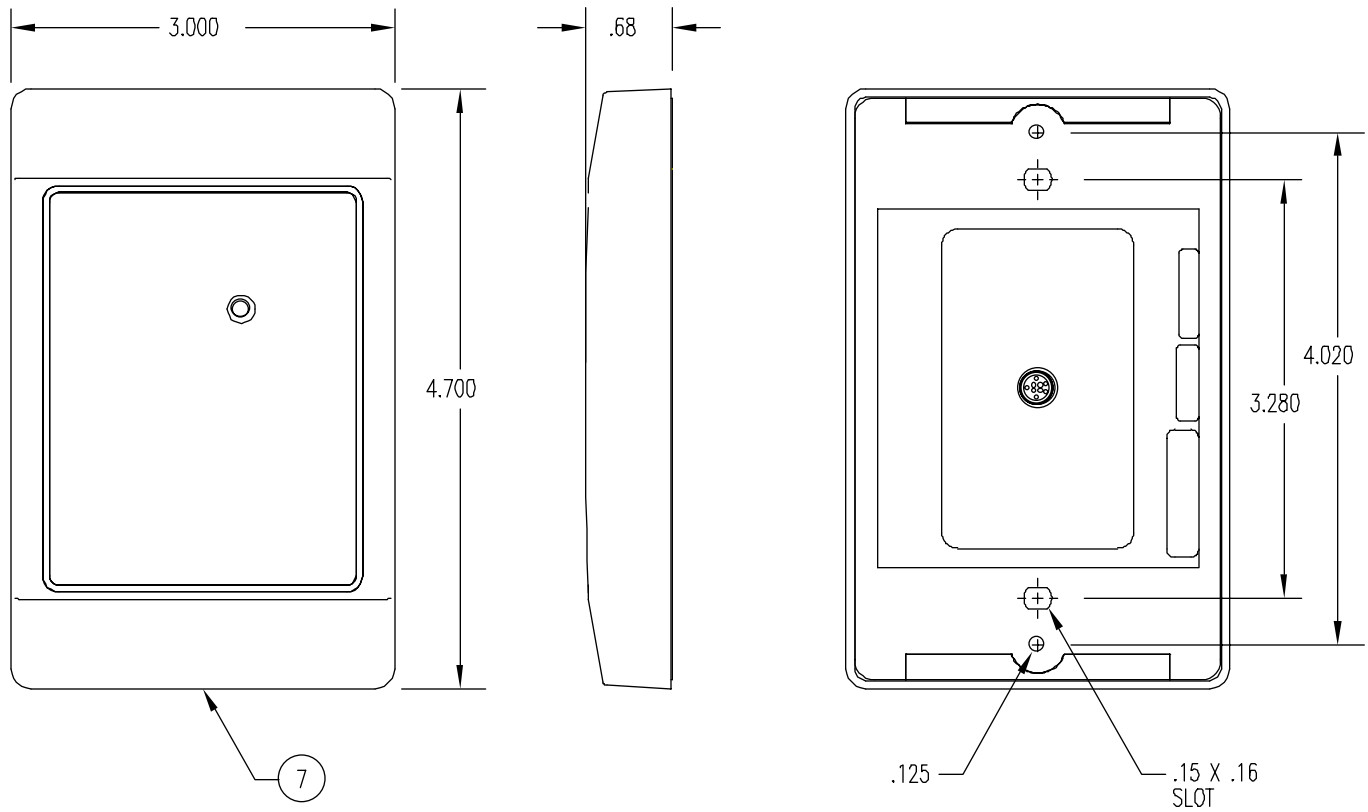
#### Power requirements (linear supply)

Operating Voltage Range	9.0 – 14.0 VDC
Absolute Maximum Voltage	16 VDC
Average Current at 12V	100 ma

Maximum cable distance	500 ft Wieg or C/D
To host	50 ft RS-232

**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.

## 4 Front, side, and back view



4.1.1 Figure 1