

Installation Sheet (Wiegand Interface) Sentinel-Prox PCB-125 Reader Module



Reader Description

The Sentinel-Prox PCB-125 Reader Module is a radio-frequency proximity reader for Access Control Systems. The RF Module consists of reader electronics on a printed wiring board. The PCB-125 RF Reader Module may be mounted inside a protective housing, and may be integrated with other electronic devices that do not use 125 kHz. Electrical connections are made at six plated-through holes at one edge of the printed wiring board.

Parts List

(a)	Installation sheet	Qty=1
(b)	Sentinel-Prox PCB-125RM	Qty=1

Wiring List

Note: Pin #1 is identified as the one *square* hole in the row of 6 plated holes for electrical connections. The other pins (#2 through #6) are round holes. Use *only* +5 VDC power supply for Pin #1.

Pin #1+5 VDC
Pin #2(no connection)
Pin #3Data-0
Pin #4Data-1
Pin #5(no connection)
Pin #6Ground

Product Specifications

Cable to Controller

- n conductors (not twisted pairs), stranded, 22 AWG, color-coded insulation, overall 100% shielded (Number of conductors n depends upon other local uses of the interface cable.)
- Length for Wiegand interface..... Up to 500 feet

Maximum Read Distance with AWID Card

- Read distance is a function of the antenna characteristics, and of the properties of the circuits that match the antenna to the PCB-125RM.

Characteristics

- Operating Temperature Range-35° C to 65° C (-31° F to 150° F)
- Operating Humidity..... 0 to 95% non-condensing

Operating Parameters

- Excitation Frequency..... 125 kHz
- Wiegand Output 26 bits to 50 bits (determined by code in credentials)

Notes

1. For additional information, please visit AWID's Web site www.awid.com. For technical support questions visit www.awid.com/support or call **1-800-369-5533** (in the U.S.) or **+1-408-825-1100** from 8:00 a.m. to 5:00 p.m. PST.