



Power Door Products  
(914) 698-5083  
www.PowerDoorProducts.com

# R-2000

## Ultra Long Range Serial and Wiegand Readers

### Ultra Long Range, Hands-Free RFID Readers for Vehicle, Asset and Personnel Tracking



R-2000 Reader (Shown in a 2NEM Enclosure)

The R-2000 Series Ultra Long Range RFID Reader detects and decodes RF transmitted signals from 1st Choice Tags.

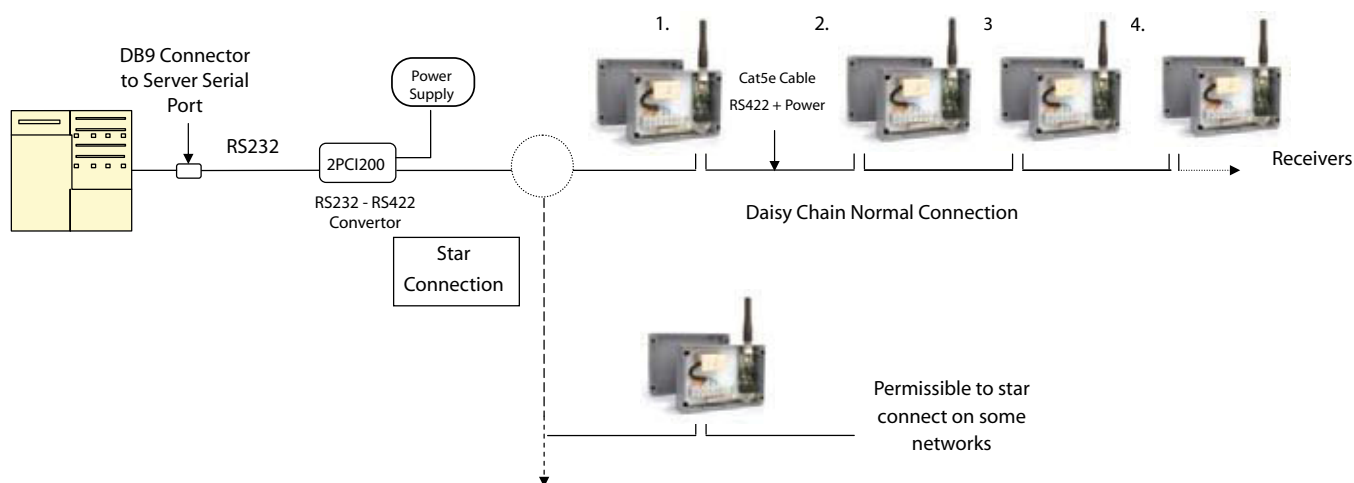
R-2000 Series Readers can connect to third party software systems using RS232/RS422 and/or connect to any Access Control System using Wiegand protocol.

Tags and Readers provide an accurate and real-time ability to detect, track, control and monitor vehicles, assets and personnel. This dynamic technology can be applied to operations and processes in all types of industries.

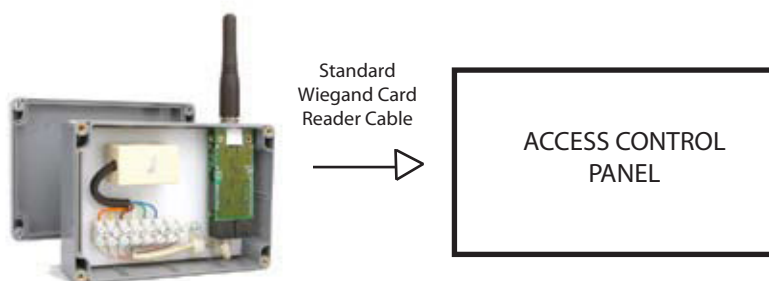
#### Features:

- \* Adjustable read range :  
1'-600' with standard Antennas  
Up to 3,000' with special Antennas
- \* R-2000 includes RS422 multi-drop connection in serial network mode
- \* R-2000 outputs Wiegand 26/32 bit for direct connection to Access Control Systems and serial RS-232/422 for custom software solutions
- \* R-2000 includes Adjustable Wiegand multi-tag buffering for use with Access Control Systems
- \* Reader status indication LEDs
- \* Plug-in tool kit for field programming and adjustments
- \* Simultaneous multiple Tag read capability
- \* Both Omni-Directional and Directional Antennas are available
- \* Dynamic Tag Tracking
- \* Secure Encrypted Transmission between Tags and Readers

## R-2000 Basic Serial Configuration



## R-2000 Basic Wiegand Configuration



## Long Range RFID Applications

- \* Transportation
- \* Mining
- \* Emergency Evacuation
- \* Supply Chain
- \* Petrochemical
- \* Healthcare
- \* Manufacturing
- \* Gated Communities
- \* Education

### R-2000 Reader Specifications

RX Frequency.....433.92 Mhz  
 RF Input.....BNC (Female)  
 Sensitivity.....-103 dBm  
 Bandwidth.....700kHz

Operational Temperature .... -40° to +140°F  
 Size.....4.3" x 2.4" x .86"  
 Weight.....1.2 oz  
 Max Current.....60mA  
 Supply Voltage.....8.5 - 24 VDC

For More  
 Information  
 Contact:



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