Proximity Reader
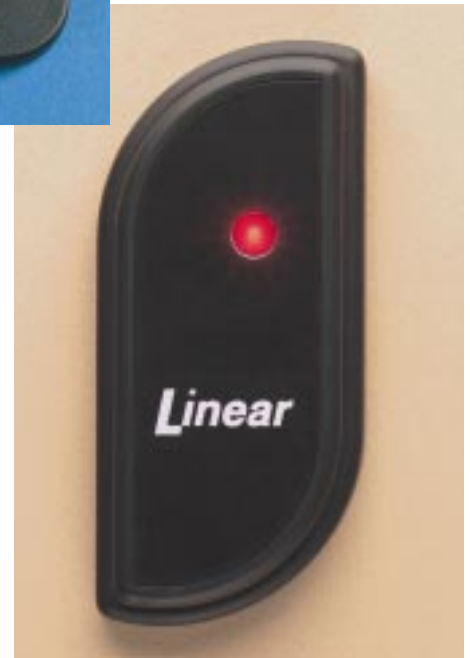## Model AM-PR

- Works with both proximity tags and proximity cards.
- Compatible with all Wiegand formats up to 40 bits.
- Weather resistant and vandal resistant.
- 4 to 6 inch read range.
- Supports up to 65,000 cards.
- Easy to install.
- Integral LED confirms when user access is granted.

For adding proximity sensing to any access control system, Linear offers the AM-PR Proximity Reader. This close-range radio-based reader works with either proximity tags (Model AM-PT) or proximity cards (Model AM-PC), both of which are slotted to attach to key rings. Upon reading a user's tag or card, it transmits the entry data via a Wiegand output in virtually any format up to 40 bits. An integral LED confirms to the user that access is granted.

The AM-PR is rugged, rated for use in extreme weather, and vandal resistant. Installation is easy — it mounts with two screws to a mullion, masonry wall, post, or nearly any surface. The unit requires 5 to 7 conductor 20 gauge shielded cable, a maximum of 500 feet. Power is supplied by the system controller

General Specifications

Power: 9-14 Vdc, 90 mA maximum
Reading Distance: molded card, up to 6 inches (152.4 mm);
proximity tag, up to 5 inches (127 mm)
Proximity Tag Operation: passive
Transmit Frequency: 125 kHz
Output: Wiegand, Data 1 and Data 0
Output Sink Current: 100 mA
Output Source Current: 5 mA
LED Type: bicolor (red or green)
Cable: 5 to 7 conductor 20 gauge shielded cable required; maximum distance, 500 feet
Ambient Temperature: (AM-PR and AM-PT) -40° to +70°C (-40° to +158°F)
Humidity: 0 to 95%, non-condensing
Certifications: complies with UL 294 standards;

CE (European standards), and with Part 15 of the Class B FCC rules

Dimensions:
AM-PR Reader: 3.5 x 1.6 x 0.51 inches (88.9 x 40.6 x 13 mm)
AM-PT Tag: 2.0 x 1.26 x 0.20 inches (50 x 32 x 5 mm)
AM-PC Card: 3.375 x 2.13 x 0.065 inches (85.7 x 54 x 1.7 mm)

Reader Connection

Wire#	Wire Color	Description
1	Red	9-14 Vdc
2	Black	Ground
3	Green	Data-0
4	White	Data-1
5	Brown	Red LED Input*
6	Orange	Green LED Input*
7	Blue	Hold Line

*Connect to Ground to activate.