Transponder & Reader Engineered Systems Inc.

TRES-P-300
Proximity
READER

Pyramid Series Proximity ®
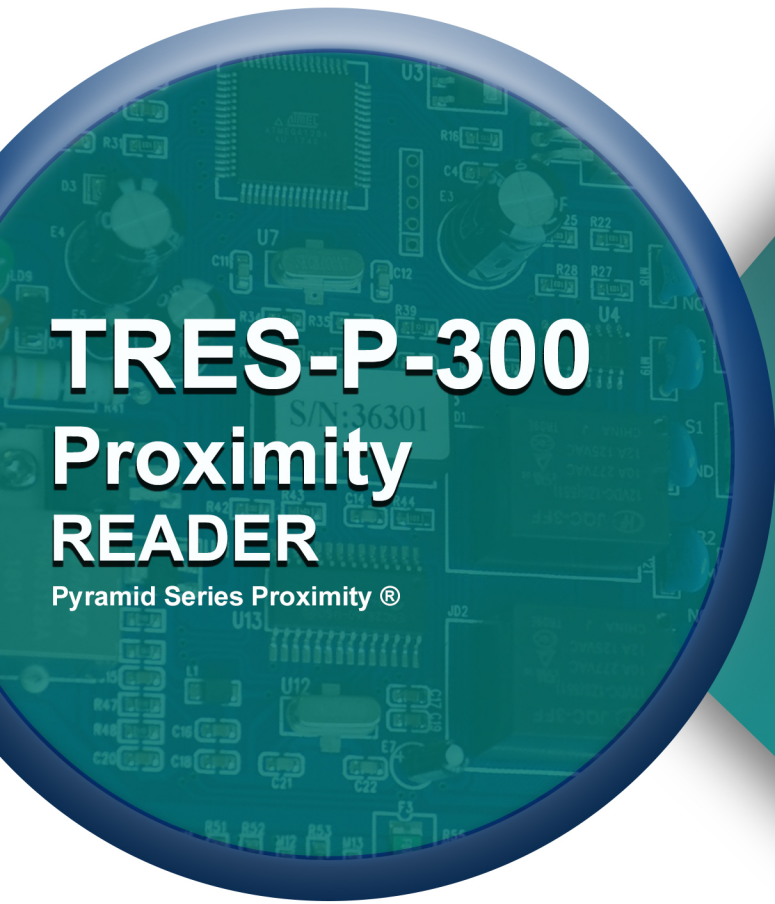
Frequency: 125 kHz
Read Range: Up to 5 inches (126 mm)

Doors   Parking   Turnstiles

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TRES-P-300 PROXIMITY READER

TRES Pyramid Series Proximity® from Farpointe Data sets the electronic security benchmark for 125-kHz proximity readers, cards, and tags. Based upon proven contactless digital radio frequency identification (RFID) technology, Pyramid readers interface with a wide range of electronic access control systems by complying with the Wiegand communication protocol. They offer value-add features such as MAXSecure™ and fleaPower™, and can be ordered to support several proximity card and tag technologies. Additionally, Pyramid cards and tags are passive devices, eliminate maintenance by requiring no battery, and can be ordered to support several proximity reader technologies.

SPECIFICATIONS	TRES-P-300-H-A
Technology	Proximity
Frequency	125 kHz
Mounting	Mullions, including metal door and window frames, as well as other surfaces
Dimensions	1.7"W x 3.2"H x 0.7"D (43 mm x 81 mm x 18 mm)
Weight	3 oz (85g)
Certifications	FCC, ICC, CE, C-Tick, UL Standard 294[1]
IP Code (2)	IP67
Voltage (3)	+5 - 16 VDC
Current Draw	30 mA typical, 75 mA peak @ 12 VDC
Read Range (4)	Up to 5 inches (126 mm)
Cabling (5)	24 AWG minimum, multiconductor straded with an overall foil shield
Interface	Wiegand ABA Track II
Operating Temperature	-40° F to 149° F (-40° C to +65° C)
Color	Black snap-on cover included standard
Audio Tone	Beeper included standard
Indoor & Outdoor Installation	Electronics sealed in weather-and tamper-resistant epoxy potting
Warranty	Limited lifetime warranty
LED	Four-state standard (red, green, amber and off)
Technologies Supported	TRES-P-300: Pyramid Series Proximity Cards and Tags (6)
	TRES-P-300-H: Pyramid + certain HID 125-kHz Proximity protocols (7)
	TRES-P-300-A: Pyramid + certain AWID 125-kHz Proximity protocols (8)
	TRES-P-300-H-A: Pyramid + certain HID Proximity protocols + certain AWID 125-kHz Proximity protocols

NOTES:
1. Carrying the ETL Label and tested by Intertek, conforms to UL Standard 294
2. Self evaluated
3. Linear power supplies are recommended for best operation
4. Using PSC-1 Standard Light Proximity Card with 12 VDC at the reader
5. For example, Belden 9535 or similar, supporting the five conductors comprising the physical layer of the Wiegand interface (power, ground, data 0, data 1, and/or beeper and LED). Alternatively, Belden 9539 or similar, for all reader functions. Contact your access control system manufacturere for their specific requirements.
6. Examples may include, and may not be limited to, PSC-1, PSI4, PSM-2, PSK-3, and PDT-1.
7. Examples may include, and may not be limited to, ProxCard II®, ISOProx® II, and ProxKey® II.
8. Examples may include, and may not be limited to, CS Prox Card, GR (ISO) Graphics Quality Prox Card, and KT Key Tag

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