

# Amano WMR

## Wiegand Metal Non-keypad Reader

### KEY FEATURES

- ◆ Communications distance of up to 500 feet (150 m).
- ◆ Suitable for OEM developments.
- ◆ Multiple Wiegand output formats (26-bit and 44-bit).
- ◆ Read capability from various tag types: Slim Tags, Omega Tags, Amano Trinary Tags (1074 and 2074) and HID Tags (H10301, H10302 and H10304).
- ◆ A single tri-colored Red, Green or Amber Status LED.
- ◆ A 4 kHz piezo-electric Buzzer.
- ◆ An external Wiegand communications bus interface.
- ◆ Dual input voltage types supported (5 V DC and 12 V DC).



Amano WMR Metal Non-keypad Reader

### PHYSICAL SPECIFICATIONS

Dimensions (H x W x D)	2.95" x 2.83" x 1.06" (75mm x 72mm x 27mm)
Weight	8 oz (229g)
Housing Material	Die-cast Zinc Alloy.
Color	Satin Nickel powder coated

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-13°F to +140°F (-25°C to +60°C)
Storage Temperature	-40°F to +176°F (-40°C to +80°C)
Humidity Range	0 to 95% relative humidity at +104°F (+40°C) non-condensing.
CE Approval	EN301 489-3, EN301 489-1 and EN300 330-1.
FCC Approval	Pending.
Dust & Splash Resistance	Designed to work in harsh (industrial) indoor or outdoor environments similar to IP53.



## ELECTRICAL SPECIFICATIONS

### POWER

<b>Input Voltage Rating</b>	5 V DC to 16 V DC, polarity sensitive.	
<i>Power Requirements</i>	<i>Current (mA)</i>	<i>Power (W)</i>
<b>Supply Voltage 5 V DC all indicators on</b>	50	0.25
<b>Supply Voltage 12 V DC all indicators on</b>	50	0.60
<b>Permissible Input Supply Ripple Voltage (Max)</b>	1 V pp at 50 Hz	
<b>Power Input Protection</b>	Reverse polarity protection is provided on the Reader.	

### WIEGAND BUS

<b>Electrical Interface</b>	'0' and '1' data streams.
<b>Tag Information Data Format</b>	44-bit Wiegand or 26-bit Wiegand.

### INPUTS

<b>Quantity</b>	4
<b>Type</b>	Dry Contact.
<b>Function</b>	Operation of the Buzzer, LED and Scanner Inhibit.

## USER INTERFACES

### BUZZER

<b>Volume &amp; Tone</b>	4 kHz piezo-electric, single volume, single tone.
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### STATUS INDICATOR

<b>Status LED</b>	Tri-colored Red, Green or Amber (Default) (externally visible).
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## ORDERING INFORMATION

WMR900-1-0-AC Amano Metal Proximity Card Reader (Multi-mode)

*Amano reserves the right to change specifications without prior notice.*