

Amano WJB

Wiegand Single Gang Reader

KEY FEATURES

- ◆ Communications distance of up to 500 feet (150 m).
- ◆ Designed to connect directly to a standard switch box for easy installation.
- ◆ 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.
- ◆ Fully potted for vandal resistant outdoor use
- ◆ Dual input voltage types supported (5 V DC and 12 V DC).



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PHYSICAL SPECIFICATIONS

Dimensions (H x W x D)	4.7" x 2.8" x 0.74" (120mm x 72mm x 19mm)
Weight	5.1 oz (144.8g)
Housing Material	ABS plastic
Color	Black

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-4°F to +140°F (-20°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 an indoor or protected outdoor environments similar to IP54.



ELECTRICAL SPECIFICATIONS

POWER

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

WIEGAND BUS

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

INPUTS

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

USER INTERFACES

BUZZER

Volume & Tone	4 kHz piezo-electric, single volume, single tone.
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STATUS INDICATOR

Status LED	Tri-colored Red, Green or Amber (Default) (externally visible).
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ORDERING INFORMATION

WJB900-1-0-AC Amano Single Gang Reader

Amano reserves the right to change specifications without prior notice.

