



# WPR400

## AD Series Wireless Portable Reader



### Overview

The Schlage AD Series Wireless Portable Reader (WPR400) was designed to extend a facility's access control to remote locations, at a moment's notice.

The WPR400 is a portable device that utilizes the same credential reader module as an AD Series electronic lock. The WPR400 can be held by hand or placed in a convenient temporary location to allow for credential verification. Whether it is at a temporary check point or bus load registration, the WPR400 will provide simple, intuitive feedback to the user if the credential being presented is valid or invalid via real time connectivity to the access control system.

The WPR400, as well as other AD-400 locks and devices, communicate via 900 MHz frequency to the Panel Interface Module (PIM400); the PIM400 is required for communication between the AD-400 devices and the access control panel.

The WPR400 was designed to be intuitive to use and easy to set up, which is critical in situations where there is a need for remote credential verification. At power-on and within range, the WPR400 is ready to accept its first credential within moments of powering up and reconnecting to the previously paired PIM400. After the credential has been authenticated by the access control system, the WPR400 provides intuitive LED light feedback.

The WPR400 also has the ability to be configured to cache mode. When enabled, the WPR400 keeps a local database of valid access grants. Upon moving the WPR400 to an offline location away from the PIM400, credentials can be verified for the last 1000 valid users.

Finally, the WPR400 can be manually configured to operate as a wireless portable tester. In Wireless Test Mode, the device can be used to evaluate the location of PIM400s and AD-400 devices within a specific environment, or the existing reader module can remain installed on the WPR400.

### Features and benefits

- Fully compatible with Schlage AD Series credential reader modules & Panel Interface Modules
- Reader options include multi-technology (reads both 13.56 MHz smart card and 125 kHz proximity, magnetic stripe and keypad)
- WPR401 with FIPS 201-1 compliant multi-technology reader is available
- Card reader options available with keypad for multi-factor authentication
- Cache mode option for offline applications
- Field configurable to work as a wireless portable signal tester
- Configured with Schlage hand held device (HHD)
- LED indicators communicate valid (green) and invalid (red) credential status
- Communicates to access control system via PIM400
- FCC Part 15, Industry Canada (IC), RoHS

## Wireless portable reader specifications

Modulation / encryption	900 MHz spread spectrum, direct sequence, 10 channels AES-128 bit key
Frequency range	902-928 MHz
Credential verification time <sup>1</sup>	< 1 second <sup>1</sup>
Communication range	Up to 200 ft with obstructions (normal building); up to 1000 ft clear line of sight
RF interference avoidance	Configurable dynamic channel switching
Data rate	40 kbps
Operating temperature	0°C (32°F) to 49°C (120°F)
Humidity	0% to 100% non-condensing
Battery type	8AA alkaline batteries
Battery life	Up to 2 years at 40,000 card reads or PIN codes per year
Dimensions (H x W x D, less reader)	3.375" x 5.0" x 6.25" (8.57 cm x 12.7 cm 15.88 cm)
Weight (less reader)	1.5 lb (0.68 kg)
Certifications	FCC Part 15, Industry Canada (IC), RoHS
Additional accessories	Panel Interface Module (PIM400), handheld device (HHD)

## Reliability

Secure and reliable wireless communication with the Panel Interface Module (PIM400) is accomplished using 900 MHz frequency. 900 MHz band enables longer transmission ranges because signal propagation with longer wavelengths travels a greater distance and better penetrates typical building construction – allowing for simplified system design.

## Panel Interface Module (PIM400)

The PIM400 (sold separately) is required for communication between the WPR400/401 and the access control panel, and can support up to 16 AD-400 devices depending on your access control system.

### Included with WPR400

- AD Series credential reader module
- Specified at ordering

### Modes of operation

- Reader mode (default)
- Wireless test mode (field configurable)

## Available AD Series reader modules<sup>2</sup>



#### Multi-technology

- Proximity
- Smart card



KEYPAD

FIPS 201-1 compliant option available (FMK)



#### FIPS 201-1 compliant multi-technology

- Proximity
- Smart card



KEYPAD



#### Multi-technology

- Proximity
- Smart card



#### Magnetic stripe



KEYPAD



#### Magnetic stripe



#### Magnetic stripe (swipe)



KEYPAD



#### Magnetic stripe (swipe)



#### Keypad

Available through one of our GSA schedule 84 approved distributors

<sup>1</sup> WPR requires less than 100 msec, response time does not include latency time of ACP

<sup>2</sup> Dummy trim reader module also available. Please see AD Series data sheets for more details on credential reader modules.

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