



# TK400

## AD Series Wireless Test Kit



### Overview

The Schlage AD Series TK400 Wireless Test Kit can help you evaluate system design on new AD-400 wireless networked systems prior to installation. The TK400 can also be used to diagnose communication strength on existing AD-400 wireless applications. AD-400 locks and devices including the Wireless Reader Interface (WRI400), and Wireless Portable Reader (WPR400) 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 TK400 Wireless Test Kit contains a Wireless Portable Signal Tester (WPR400-DT), a Panel Interface Module (PIM400-TD2), a PIM400 power supply, 8 AA alkaline batteries, and a convenient carrying case. The WPR400-DT operates on batteries, making it convenient and easy to maintain on job sites.

The Wireless Portable Signal Tester (WPR400-DT) is used to communicate to the PIM400 as an access control module. LED lights provide intuitive feedback about the quality of the signal.

The communication range of the AD-400 to the PIM400 is up to 200 feet with normal building construction and up to 1000 feet with clear line of sight. The TK400 can be used to determine the proper location of each Panel Interface Module (PIM) to optimize system design. When installed properly, an AD-400 wireless solution is an extremely reliable and cost effective alternative to a hardwired networked system.

### Features and benefits

- Allows you to test the range of 900 MHz signals between AD-400 devices and PIM400 to ensure proper location prior to installation of complete system.
- Can be used to test existing installations for signal strength
- LED light feedback for signal strength communication; green for strong connection, red for weak connection
- Kit comes complete with:
  - Wireless portable signal tester (WPR400-DT)
  - Panel Interface Module (PIM400-TD2)
  - Power supply for PIM400-TD2
  - 8 AA off-the-shelf batteries
  - Carrying case
- WPR400-DT certifications: FCC Part 15, Industry Canada (IC), RoHS
- PIM400-TD2 certifications: NEMA 1, 4, 4X, 6; UL 294, FCC Part 15, Industry Canada (IC), RoHS

## Wireless portable signal tester

Frequency range	902-928 MHz
Modulation	900 MHz spread spectrum, direct sequence, 10 channels
Communication	Up to 200 ft with obstructions (normal building); up to 1000 ft clear line of sight
Operating temperature	0°C (32°F) to 49°C (120°F)
Humidity	0% to 100% non-condensing
Battery type	8AA alkaline batteries
Dimensions (H x W x D)	2.375" x 5.0" x 6.25" (6.03 cm x 12.7 cm x 15.88 cm)
Certifications	<ul style="list-style-type: none"><li>FCC Part 15</li><li>Industry Canada (IC)</li><li>RoHS</li></ul>

### Visual LED indications

- Wireless signal quality
- Low battery

## PIM400-TD2

Frequency range	902-928 MHz
Modulation	900 MHz spread spectrum, direct sequence, 10 channels
Communication	Up to 200 ft with obstructions (normal building); up to 1000 ft clear line of sight
Operating temperature	-31° to 151°F (-35° to 66°C)
Humidity	0% to 100% condensing
Power supply	12 VDC or 24VDC (12 VDC power supply included)
Dimensions (H x W x D)	7.1" x 7.1" x 3.0" (18.0 cm x 18.0 cm x 7.6 cm)
Weight	1.25 lb (.56 kg)
Certifications	<ul style="list-style-type: none"><li>NEMA 1, 4, 4X, 6</li><li>UL 294</li><li>FCC Part 15</li><li>Industry Canada (IC)</li><li>RoHS</li></ul>

### Visual LED indications

- Power on
- Linking status to AD-400 devices
- PIM transmitting/receiving RF data

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