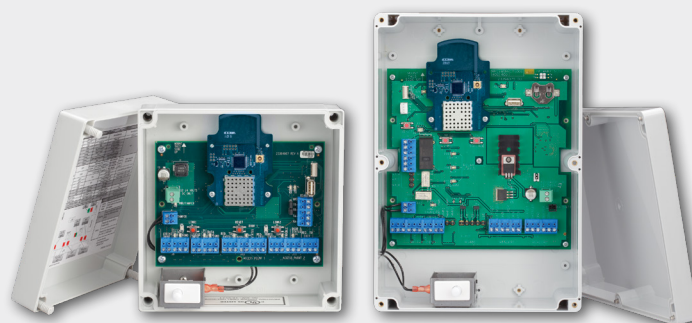




# REPTR400

## Wireless Repeater Kit



### Overview

The Schlage REPTR400 Wireless Repeater Kit is a simple, all-in-one package solution for access control applications that require an extended wireless range. It can be used for indoor or outdoor applications enabling the integration and management of an opening too distant or difficult to reach via hard wires. Ideal applications include remote doors, historic buildings, gates and elevators.

The Schlage REPTR400 includes an AD Series Panel Interface Module (PIM400-TD2) and an AD Series Wireless Reader Interface (WRI400). The PIM400-TD2 interfaces with most access control systems. Its function is to wirelessly communicate with either an AD-400 Series wireless lock on the door or a separate WRI400 wired to other electronic components around the door. The PIM400-TD2 receives data via one radio channel and communicates it to the kit's WRI400 unit to be transmitted via another channel. The additional distances covered can be up to 900 ft. within a normally constructed building or up to 2500 ft. where there is direct line of site.

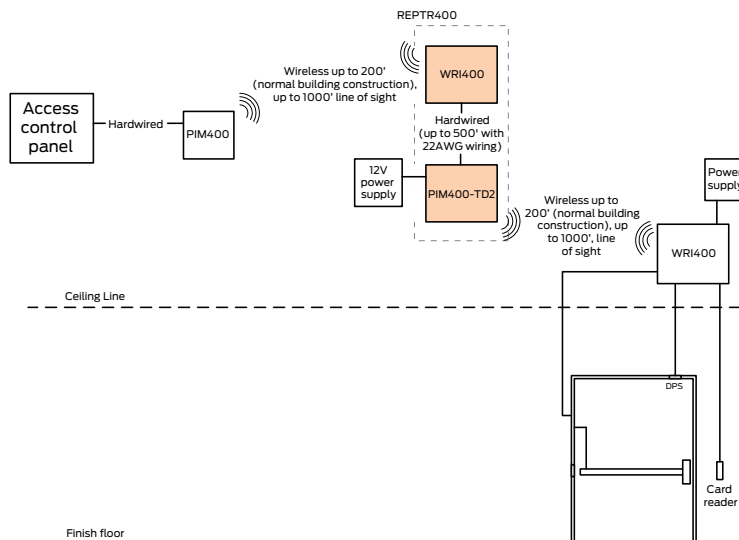
To extend range further for areas such as a remote gate or for use with a portable reader, a remote antenna (sold separately) can also be employed. If your distance needs suggest the use of an antenna, contact Allegion technical service for assistance.

### Features and benefits

- Convenient kit includes the WRI400 and PIM400-TD2
- Extends the reach of your access control system to remote locations without running wires
- Up to two REPTR400s can be added in a series (use only one for applications involving mag stripe credentials)
- **WRI400:**
  - 2 form C relay outputs –strike and auxiliary
  - Each RF transmission is encrypted with AES-128 bit keys
  - Reader interfaces support– Wiegand (data1/data 0) up to 255 bits and magnetic stripe (Clock & Data) up to 255 bits
- **PIM400-TD2:**
  - 900 MHz spread spectrum RF technology for long range, reliable communications
  - Automatic linking to remote wireless access points with 10 channel frequencies to select from enables easy commissioning
  - AES-128 bit encrypted spread spectrum transmissions

## PIM400-TD2 specifications

Frequency range	902-928 MHz
Modulation	900 MHz spread spectrum, direct sequence, 10 channels
Communication	Up to 200 ft (normal building construction); 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
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	NEMA 1, 4, 4X, 6; UL 294; FCC Part 15; RoHS; Industry Canada (IC)



Note: There are many other applications that use different wireless access points; this is one example of how a REPTR400 can be used.

## WRI400 specifications

Frequency range	902-928 MHz	
Modulation	900 MHz spread spectrum, direct sequence, 10 channels	
RF interference avoidance	Optional dynamic channel switching	
Transmission/encryption	AES-128 bit key (optional)	
Data rate	RF: 40 kbps	
Credential verification time	< 1 second (WRI requires less than 100ms. Response time does not include latency time of ACP. Each REPTR400 Kit adds 250ms delay)	
Communication range	Up to 200 ft (61 m), normal building construction Up to 1000 ft (305 m), clear line of sight (See ANT400-REM data sheet for increasing distance)	
Power supply requirements	12 VDC or 24 VDC; 500 mA maximum current	
Connector cable specifications	DC power input	18AWG, 2 conductor (Belden 8760 or equivalent), up to 1000 ft (305 m)
	Credential readers (x2)	Data signals: 22AWG, 6 conductor (Alpha 1296C or equivalent) up to 500 feet (152 meters) Reader tamper signals: 18AWG, twisted pair shielded (Belden 8760 or equivalent) up to 500 feet (152 meters)
	Strike/aux relay outputs	18AWG, 2 conductor (Belden 8760 or equivalent), up to 2000 feet (610 meters)
	Request-to-enter and -exit inputs	18AWG, 2 conductor (Belden 8760 or equivalent), up to 2000 feet (610 meters)
Relay output tolerances	Strike output relay	Form C relay; 6 amps at 24 VDC or 6 amps at 120 VAC or 3 amps at 240 VAC
	Auxiliary output relay	Form C relay; 2 amps at 24 VDC or 0.5 amps at 120 VAC
Operating temperature	-31°F (-35°C) to 151°F (66°C)	
Operating humidity	0 - 100% condensing	
Dimensions (H x W x D)	10.43" x 7.28" x 3.79" (26.49 cm x 18.49 cm x 9.63 cm)	
Certifications	NEMA 1, 4, 4X, 6; UL 294; FCC Part 15; Industry Canada (IC); RoHS	
Optional accessories	593PI-12 DC - power supply for Panel Interface Module (PIM)	

Available through one of our GSA schedule 84 approved distributors

## About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit [www.allegion.com](http://www.allegion.com).

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