# RANGE SYSTEMS

## Model: RS WIFI Network

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TO PURCHASE REPLACEMENT PARTS OR ACCESSORIES PLEASE EMAIL:
SALES@RANGE-SYSTEMS



# Overview

Range Systems designs and configures every Wi-Fi network specifically for your facility prior to shipment. All access points, controllers, and network equipment are pre-programmed and tested before delivery.

This guide covers the physical installation of the Wi-Fi system. No network programming or access point configuration is required by the customer or installer.

## Important Installation Requirements

### Access Point Placement

- Wi-Fi access points must be installed as shown on the Range Systems network design drawings.
- Do not relocate, remove, or reposition access points without approval from Range Systems. Network performance is dependent upon proper placement and spacing.

### Cabling Requirements

Run a dedicated ethernet cable from each access point location back to the designated network enclosure shown on the project drawings.

**Guidelines:**

- Use CAT5 cable or better (see design drawing).
- Avoid sharp bends or cable damage.
- Label both ends of each cable.
- Verify cable continuity before final installation.
- Leave sufficient service loops where appropriate.

### Step 1 – Install Network Rack

Mount the supplied network enclosure at the designated location shown on the project plans.

**Ensure:**

- Adequate wall support
- Access to power
- Access for future maintenance

### Step 2 – Install Access Points



Mount each access point at the location identified on the Range Systems network design.

- Secure mounting hardware properly.
- Do not paint or cover access points.
- Ensure access points remain unobstructed after installation.

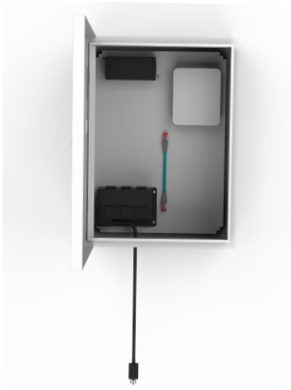
### Step 3 – Connect Ethernet Cabling

Terminate and connect all ethernet cables from the access points back to the network enclosure location.

Confirm that each cable is clearly labeled to match the corresponding access point location.

## Powering the Access Points

### Small Range Installations



Smaller installations may utilize individual PoE (Power over Ethernet) injectors.

For each access point:

1. Connect the incoming network cable to the injector's Data In port.
2. Connect the injector's PoE/Data Out port to the access point cable.

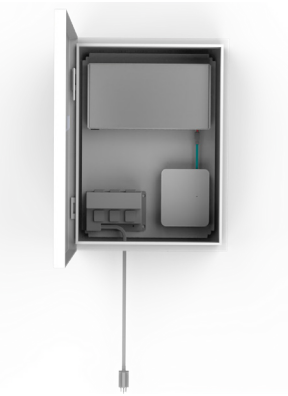


### Large Range Installations

Larger installations may include a PoE network switch.

1. Connect each access point ethernet cable to the designated switch ports.
2. Verify switch power and network indicators illuminate.





No additional network configuration is required unless instructed by Range Systems.

**Final Installation Checklist**

- Network enclosure installed
- All ethernet cables run and labeled
- Access points mounted per design drawings
- All network cables connected
- Power verified at all network equipment

## Troubleshooting:

If the device is not showing online or cameras are not visible:

**Refreshing the System**

1. Return to the Pro-Touch® app Home Screen.
2. Press the Range Systems logo.

This will refresh the system and reconnect the device.

**For questions, troubleshooting assistance, or commissioning support, please contact Range Systems Technical Support.**