BEFORE YOU BEGIN...

READ ALL INSTRUCTIONS
Make sure your installation will conform to all applicable codes and requirements.

TEST FOR SIGNAL STRENGTH AND NOISE...
using the AR300 and AT300. It is necessary to test the installation in the actual operating environment. The amount and types of line loads may reduce the strength of the transmitted signal and/or electrical noise may cause interference with the transmitted signal. Proper installation may require additional couplers, filters or repeaters. Special coupling devices are required to allow signal to be distributed to all phases and zero-crossings in multi-phase and multi-transformer distributions.

This receiver has been designed with Automatic Gain Control (AGC). This feature allows it to operate more reliably in high noise environments. AGC gives this receiver the advantage of changing its receive threshold depending on the level of background interference. For this unit to operate correctly, it requires a 2:1 signal to noise ratio, or in other words, the signal level must be twice that of the background interference.

IF YOU HAVE ANY QUESTIONS...
Consult your nearest Engineered System Center (ESC) for additional information.

There are no address code dials on Slave modules.
INSTALLATION

CAUTION! Make all connections with the POWER OFF to avoid injury to the installer or damage to the device.

CAUTION! Carefully determine the single, 3-way, or 4-way wiring for proper connections. Do NOT connect LINE to the CONTROL terminal. If used as a single switch, DO NOT make any connection to CONTROL terminal.

NOTE! This switch is not intended as an exact replacement for standard wall switches. The Neutral terminal MUST be connected to a Neutral (not simply a white lead used as a traveler for a load).

Do not install the RS100/RS101 at distances greater than 80 feet from the AS000/AS001 Slave modules. If no slaves are being used, make no connections to "CONTROL" terminal.

1. Using the STRIP GAUGE on the back of the module, strip insulation from the ends of the conductors. Loosen the appropriate screw clamp on the side of the module. Push the screw against its seat to expose the clamp, insert the wire and retighten the screw clamp. Make connections as shown in the Wiring Diagram. The connection to the neutral terminal of the module does not have to be the neutral of the load.

2. Check connections to be sure they are tight and no bare conductors are exposed.

   NOTE! Tighten all screw clamps securely.

3. Make sure the load or installation does not exceed the device rating.

4. Install into a standard single or multi-gang electrical wall box. Use a deep box to avoid interference with box fittings and allow room for wiring connections. Install a cover plate/trim ring (Decora™ or compatible style available through electrical supply vendors).

CHECKOUT

1. Restore the power.

2. Set the address:
   Up to 256 addresses can be selected from the module. The address consists of a Letter Code (A through P) and a Number Code (1 through 16) for Unit address. Set the address code dials as shown in the Wiring Diagram.

3. Test Local Operation:
   Depress the switch plate several times to ensure the module turns the controlled load on and off in response to manual control.

4. Test Slave Operation:
   Depress the switch plate at each AS000/AS001 in the 3-way (4-way, etc.) circuit several times to ensure the module turns the controlled load on and off in response to slave control.

5. Test Remote Operation:
   Using a controller, transmit "OFF", "ON", "ALL UNITS OFF" and "ALL LIGHTS ON" commands to ensure the device turns the controlled load on and off in response to remote control.

6. Test for Signal Strength and Noise once again using the AR300 and AT300.