Relay Output Devices

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Relay Device Basics
Relays are programmable switches that can be used to perform many different functions. They can be used to turn lights on and off, control sounders, or for status indications. In this system, each relay must be programmed as to how to act (ACTION), when to activate (START), and when to deactivate (STOP). Each of these is described below.

The control supports a total of 4 output relays.

The 4204 Relay modules provide Form C (normally open and normally closed) contacts.

In *80 and *81 interactive modes, a series of keypad prompts will request entries for programming of the Relay outputs used in the system. Refer also to “OUTPUT RELAY DEVICE WORKSHEET FOR *80 AND *81 INTERACTIVE MODES” in the blank programming form provided in the separate Programming Form manual.

4204 Relay Modules

4204 Relay Unit (if installed in cabinet)

1. Insert self-tapping screws (provided) in two adjacent raised cabinet tabs. Leave the heads projecting 1/8".
2. Hang the unit on the screw heads via two of the slotted holes at the rear of its housing, as shown in Figure 9 below.
3. The 4204’s cover can be left off if the unit’s DIP switch is set with its position 1 "ON" (to the right) as shown in its instructions. The tamper-protected cover is necessary for installations outside of the control’s cabinet.

Figure 9. Mounting the PC Board in the Cabinet with a 4204 Relay Unit
4204 Setup
The 4204 unit can be mounted either remotely or in the control panel. The following steps should be taken to properly set up the 4204:

1. **Connect the 4204 to the control’s remote keypad terminals** (4–7), using the connector supplied with the 4204. Use standard 4-conductor twisted cable for long wiring runs.

2. **Set the 4204’s DIP switch for a device address of “1”** (switch 2 “OFF” and switches 3, 4, and 5 “ON”). Switch 1 determines the unit’s cover tamper response (“ON” = disabled, “OFF” = enabled).

3. **Connect the desired field wiring** to the unit’s relay contact terminals. See Figure 10 below.

Supervision
4204 modules are supervised against removal. **CHECK** and zone **09** will be displayed if a module is disconnected from the control’s keypad terminals (4, 5, 6, and 7).

**Programming Options**
In the VISTA-10SE, each device must be programmed as to how to act (ACTION), when to activate (START), and when to de-activate (STOP). Refer to the programming procedures for **＊80** and **＊81** interactive modes that are provided in the MECHANICS of PROGRAMMING, OUTPUT DEVICE PROGRAMMING, and ZONE LISTS sections for specific programming details.