

Output Device Programming

(*79/*80 Menu Mode)

About Output Device Programming

Output Devices: The VISTA-20P system supports up to 16 relays and/or Powerline Carrier devices (X-10 devices) plus 2 built-in trigger outputs in any combination. These 18 “outputs” are assigned to system-wide output numbers (01-18). Use *79 Menu Mode to assign output numbers and map them to device addresses. The VISTA-15P supports 8 relays and 2 built-in trigger outputs (total 10 outputs).

Output Functions: The system also provides installer-defined output functions, which can be assigned to any of the physical outputs. Therefore, the action of any one of the outputs can be based on as many of these functions as desired. This lets a single relay or X-10 device perform many functions. The controls support up to 48 output functions. Use *80 Menu Mode to define output functions.



Relays and output devices are not recommended for life safety applications.

NOTE: When navigating the *79 and *80 menus: The [*] key is used to accept an entry and advance to the next prompt. The [#] key is used to revert back to the last question to check or change an entry. Press [*] to go forward again.

Output Device programming involves:

1. Use *79 Menu Mode to assign module and output numbers and map them to device addresses.
NOTE: You must map output devices using *79 Menu Mode **before** you can use *80 menu Mode.
2. Use *80 Menu Mode to create output definitions, which control the output devices.

*79 Menu Mode: Output Device Mapping

Use this menu to assign Relay Module device addresses and specific relay numbers, and Powerline Carrier unit numbers. The system is based on predefined module addresses for 4204 and 4229 modules. Refer to the table shown at the “Module Address” prompt on the next page and set the modules’ addresses (via module DIP switches) accordingly.

The following table shows how these outputs are identified.

Output Identification

This output...	is identified by...
Relays:	the Relay Module’s device address and the relay position on that module (i.e. the physical relay number, 1-4, on that module).
X-10 Device	a house ID (entered in data field *27) and the unit number of the device.
Built-in Outputs	the output number assigned, 17 for trigger 1 and/or 18 for trigger 2.

Start Output Device Mapping by pressing *79 while in Data Programming Mode. The following prompts are displayed:

***79 Menu Mode**

PROMPT	VALID ENTRIES	EXPLANATION																				
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> ENTER OUTPUT NO. 00 = QUIT xx </div>	Device Output Number 01-18 = VISTA-20P relays/X-10 01-08 = VISTA-15P relays/X-10 [*] to continue	This is the logical (or reference) relay number as used in the system. Relays and X-10 devices are numbered 01-16; the on-board triggers are numbered 17 and 18 and can be programmed for inverted output. Use the worksheet on the Programming Form (printed separately) to organize device numbers.																				
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> 17 OUT NORM LOW 0 = NO 1 = YES 0 </div>	Output Normally Low 0 = no (standard default) 1 = yes [*] to continue	This prompt appears only for triggers 17 and 18. Selecting 0 (no) sets the output level normally high. Selecting 1 (yes) sets the output normally low. Output trigger 17 can be used for resetting 4-wire smoke detectors by connecting it to the negative power terminal of the smoke detector, selecting 1 at this prompt, and setting as zone type 54, fire zone reset, in *80 Menu mode. After entry, display returns to Output Number prompt. Use *80 Menu mode to program the function of the trigger.																				
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> XX OUTPUT TYPE DELETE 0 </div>	Output Type 0 = delete 1 = relay on 4204/4229 module 2 = Powerline Carrier device [*] to continue	Select whether this is a relay or a Powerline Carrier (X-10) device. If Powerline Carrier is selected, go to "A" prompt. If relay is selected, skip to "B" prompt.																				
<p>"A"</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> XX UNIT No. yy </div>	Unit Number 01-16 = predefined address [*] to continue	If X-10 is selected, a prompt for the unit number appears. Enter the unit code (set at the device) and press [*]. The system returns to the Output Number prompt.																				
<p>"B"</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> XX MODULE ADDR 07-15 yy </div>	Module Address 07-15 = predefined address [*] to continue	If relay is selected, this prompt appears. Enter the predefined address for this module as listed below. Make sure the module's DIP switches are set to the selected address.																				
		<p>Module Addresses</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Address</th> <th>Module</th> </tr> </thead> <tbody> <tr> <td>07</td> <td>1st 4229 (with zones 09-16)</td> </tr> <tr> <td>08</td> <td>2nd 4229 (with zones 17-24)</td> </tr> <tr> <td>09[†]</td> <td>3rd 4229 (with zones 25-32)</td> </tr> <tr> <td>10[†]</td> <td>4th 4229 (with zones 33-40)</td> </tr> <tr> <td>11[†]</td> <td>5th 4229 (with zones 41-48)</td> </tr> <tr> <td>12</td> <td>1st 4204</td> </tr> <tr> <td>13</td> <td>2nd 4204</td> </tr> <tr> <td>14[†]</td> <td>3rd 4204</td> </tr> <tr> <td>15[†]</td> <td>4th 4204</td> </tr> </tbody> </table> <p style="margin-left: 20px;">† These addresses apply to the VISTA-20P only.</p>	Address	Module	07	1st 4229 (with zones 09-16)	08	2nd 4229 (with zones 17-24)	09 [†]	3rd 4229 (with zones 25-32)	10 [†]	4th 4229 (with zones 33-40)	11 [†]	5th 4229 (with zones 41-48)	12	1st 4204	13	2nd 4204	14 [†]	3rd 4204	15 [†]	4th 4204
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<div style="border: 1px solid black; padding: 5px; width: fit-content;"> XX REL POSITION 1-4 zz </div>	Relay Position 1-4 = relay position [*] to continue	This is the actual (or physical) relay number with respect to the Relay Module upon which it is located. For 4204 modules, relay numbers are 1-4. For 4229 modules, relay numbers are 1-2. The system returns to the Output Number prompt for programming the next device.																				