

Chapter 6: Information Mode

Information Mode is a utility that is embedded in the operating system of the controller. Via Information Mode, you can view data on the LCD screen, use the controller's keyboard to directly edit data, and perform certain actions such as resetting the controller. You can enter Information Mode at any time without regard to what is currently displayed on the LCD screen

Viewing data does not affect the controller's program. Performing actions, such as initializing the controller, can influence the program.

Note that when you use Information Mode, the keyboard is dedicated to that purpose. The keys return to normal application functions when you exit Information Mode.

Using Information Mode

1. To enter Information mode, press the <i>button on the Vision's keyboard down for several seconds.
2. Enter your password. The default password is 1111. This password remains in effect **until** you change it via the Information Mode screen described in the table below.
3. The controller enters Information Mode, showing the first category, Data Types.

Caution • The controller will block entry into Information mode until the correct password has been entered. This is why you must record any password you set for your controller.

The data in Information Mode is arranged in Categories. Each Category contains several Subjects. You navigate Information Mode by using the keyboard buttons as shown below.

To exit Information mode, press the <ESC>button on the Vision's keyboard. Each press returns one level up. Press the number of times necessary to exit.

Note that when you reenter Information Mode, the controller will return to the last Category viewed.



Figure 16. Navigating Information Mode

Table 5 shows the categories of information that can be accessed in this mode.

Table 5: Information Mode

<i>Category</i>	<i>Subject</i>	<i>Possible Actions</i>
Data Types	Inputs	<ul style="list-style-type: none"> View input status. Force input status to 1 (FR1) or 0 (FR0). Forced values stay in effect until Normal mode (NRM) is selected, or until the controller is initialized or reset. Note that forced values do influence your program. This can be useful in testing the effect of an input condition on an output status.
	Outputs	<ul style="list-style-type: none"> View output status. Force output status to 1 (FR1) or 0 (FR0). Note that forced output values do not affect your program. Set/Reset output status.
	Memory Bits System Bits	<ul style="list-style-type: none"> View bit status. Change bit status (Set/Reset).
	Timers	<ul style="list-style-type: none"> Enter a Preset Timer value. View the current timer value and status by selecting the R.T. option.
	Memory Integers System Integers Memory Longs System Longs Memory Double Words System Double Words	<ul style="list-style-type: none"> View integer/long integer/double word values. Change values. Toggle Base: view the value in decimal or hexadecimal form.

<i>Category</i>	<i>Subject</i>	<i>Possible Actions</i>
System	Model & O/S Ver	<ul style="list-style-type: none"> • Check the controller's model number and operating system version. • Check whether the controller is in Run or Stop mode.
	Working Mode	<ul style="list-style-type: none"> • Check whether the controller is in Run or Stop mode. • Reset the controller. This restarts your program. • Initialize the controller. This restarts your program and initializes all values.
	Time & Date	<ul style="list-style-type: none"> • View the Real Time Clock (RTC) settings. Note that the RTC settings control all time-based functions. • Change the RTC settings via the controller's keyboard.
	Unit ID	<p>The Unit ID number identifies a networked controller. You can:</p> <ul style="list-style-type: none"> • Change the ID number.
	Serial Port 1 Serial Port 2	<ul style="list-style-type: none"> • View and edit communication settings. • Select to change the new settings.
	CANbus Baud Rate	<ul style="list-style-type: none"> • Change the CANbus baud rate.

<i>Category</i>	<i>Subject</i>	<i>Possible Actions</i>
Function Block	FBs in use	<ul style="list-style-type: none">Shows a list of all function blocks that have been downloaded into the controller. Both the FB name and its version are displayed.
Password	New	<ul style="list-style-type: none">Set a New Password
Hardware Configuration		<ul style="list-style-type: none">Check if I/O Expansion Modules are installed. Note that I/O Expansion Modules are represented by letters. Identical module types are represented by identical letters as shown below.Shows if an on-board I/O or I/O module is short-circuited.

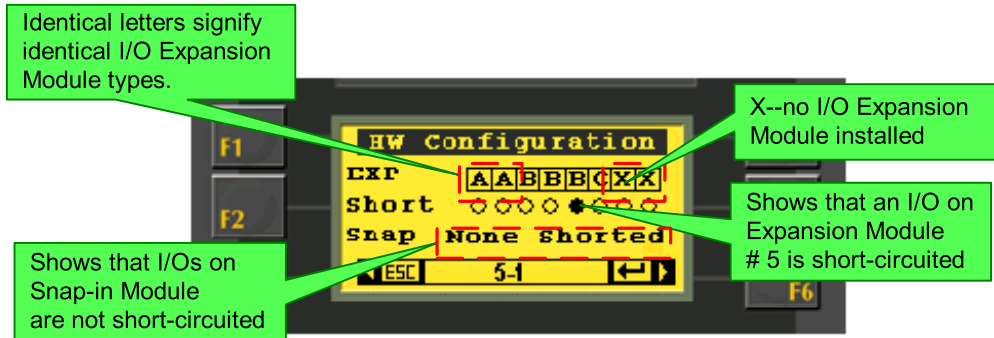


Figure 17. Information Mode: Hardware Configuration