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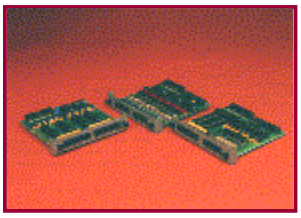
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Find the *Control Technology 2201* at our website: ***Click HERE***



Model 2201, 2202, 2203 D.C. Input/Output Modules

Designed for convenient interfacing to a variety of D.C. I/O devices commonly used in automation applications, these modules provide a high density of input and output points at a lvery low cost-per-I/O-point. By selecting the appropriate combination of modules, a controller may be configured for any required mix of inputs and outputs:

- Model 2201: 32 channel D.C. Input Module
- Model 2202: 24 channel D.C. Output Module
- Model 2203: Combination 16 Input, 16 Output Module

Self-Powered Inputs

The inputs of both model 2201 and 2203 modules are self-powered, resistively "pulled up" to the controller's internal +24 Volt supply. All that is required for actuating an input is an external switch closure, or equivalent, to the common for this supply. This simplifies interfacing to a variety of sensors, including Hall-effect and proximity sensors (when outfitted with sinking outputs), external electronic systems possessing "open collector" outputs and, of course, mechanical switches.

Great care has been taken to ensure reliable operation in severe applications. The 24 Volt signal level on each input avoids problems with contact contamination in industrial environments, and complete optoisolation is used between the I/O and the controller's logic, resulting in a very high degree of immunity to electrical noise.

Open-Collector Outputs Provide Flexibility

Model 2202 and 2203 modules each provide open-collector outputs, allowing many types of 24 Volt D.C. load devices to be accommodated. To use these outputs, one side of each load device is connected to +24 Volts (perhaps from the controller's internal supply) and the other side is connected to the open-collector output. When activated under program control, this output will switch to common, completing the circuit and actuating the load device.

In this manner, loads such as solenoid valves, indicator lights, small motors and motor starters, *etc.* may easily be interfaced, up to a current level of 500 milliamps per output (a module limit of 5 amps also applies). For convenience, the controller's internal +24 Volt supply is available at each I/O connector, for powering output devices and electronic sensors used with the module's inputs.

In addition to the above features, all modules provide an independent LED status indicator for each I/O channel, simplifying troubleshooting and setup.

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