1771 Specialized I/O Modules

Catalog Number/ Module	Number of Inputs/Outputs	Voltage Range	Backplane Current Load	Slots	Wiring Arm	Miscellaneous
1771-CFM Configurable Flowmeter Module (See pg 3-53)	4 digital inputs 4 digital outputs	Inputs: • 50mV-200V ac peak — magnetic pickup • 4-40V dc (TTL compatible) • Bently 3300 5 & 8 mm — proximity pickups Outputs: 5-40V dc (supplied by user)	1A max	1	1771-WN	Module scan time: 1.3–5ms (depending on configuration and frequency)
1771-DR High Speed Logic Controller (See pg 3-52)	8 digital inputs 4 digital outputs	Inputs: 12-24V dc Outputs: 5-24V dc	1.1A	2	1771-WG	Module response time: < 1ms Pulse capture time: 50µs to 9.999ms
1771-DS Latching Input Module (See pg 3-54)	8 direct digital inputs	10-27V dc	0.375A	1	1771-WF	Pulse capture time: 0.1, 0.5, 1, 2.5 or 5ms
1771-IS Multiplexer Input Module (See pg 3-55)	72 direct digital inputs for: • up to four 4-digit BCD TW • up to six 3-digit BCD TW • up to 72 discrete switches	5V dc (supplied by module)	0.8A	1	1771-WF	Module scan: • 15.3ms (normal) • 5.1ms (fast)
1771-PM Clutch/Brake Control System	N/A	N/A	1.2A	2	1771-WB (2)	—
1771-SIM I/O Simulator Module (See pg 3-55)	8 input switches 8 output indicators	N/A	0.2A	1	N/A	—
1402-LS51 (See pg 3-56)	line voltage inputs 1 analog output	N/A	1.1A	2	1771-WC	Synchronization, load sharing, and high-speed power system monitoring.

For 1771-CFM, see the Configurable Flowmeter Module Product Data, pub. 1771-2.226; for 1771-DC, see the Real Time Clock Module Product Data, pub. 1771-2.45; for 1771-DR, see the I/O Logic Controller Module Product Data, pub. 1771-2.89; for 1771-DS, see the Latching Input Module Product Data, pub. 1771-2.68; for 1771-IS, see the DC Multiplexer Input Module Product Data, pub. 1771-2.35; for 1771-PM, see the Clutch/Brake Module Product Data, pub. 1771-2.67; for 1771-SIM, see the Input/Output Simulation Module Product Data, pub. 1771-2.106; for 1402-LS51, see the Line Synchronization Module Product Data, pub. 1402-2.0.

I/O Communication Products

6008 I/O Communication Modules

Catalog Number / Module	Function	Number of Remote I/O Ports	Communication Medium	Transmission Rate	Power Requirements
6008-SV1R VMEbus Remote I/O Scanner Module	Gives a VME master processor direct access to adapter devices on the universal remote I/O link	1	Twinax	• 57.6k bit/s @10k ft • 115.2k bit/s @ 5k ft • 230.4k bit/s @ 2.5k ft	2.5A @ 5V dc
6008-SV2R VMEbus Remote I/O Scanner Module	Gives a VME master processor direct access to adapter devices on the universal remote I/O link	2	Twinax	• 57.6k bit/s @10k ft • 115.2k bit/s @ 5k ft • 230.4k bit/s @ 2.5k ft	2.5A @ 5V dc

Latching (10-27V dc) Input Module

(Cat. No. 1771-DS)

The Latching Input Module detects and latches pulses of 0.1 to 5.0ms duration from optical transmitters that have isolated pulse and gate outputs. You select the mode of input operation: **independent** for a single-pulse environment, **paired** for a multi-pulse environment.

Specifications CE

Inputs	8 direct digital inputs
Selectable pulse capture/ Module recovery time (ms)	• 0.1/0.5 • 0.5/2.5 • 1.0/5.0 • 2.5/12.5 • 5.0/25.0
Input voltage range	• 10 to 27V dc for a logic 1 • 0 to 4V dc for a logic 0
Nominal input current	20 mA @ 27V dc, typical
Max off-state current	1 mA @ 4V dc
Backplane current load	375 mA, typical
Wiring arm	1771-WF

For selection chart, see page 3-41.

For more information, see Latching Input Module Product Data, pub. 1771-2.68.

Wire Fault (15-27V dc) Input Module

(Cat. No. 1771-DW)

This module provides 7 digital inputs, and detects whether any wire between the switching device and the module or power supply is either short-circuited to ground or open-circuited. Communication is bidirectional. With an output image bit, you select what the module will write directly into the input image byte — the state of each input or the fault status of each input. Typical hard-contact switching devices that are compatible with the module include dc pushbutton, limit, float, and selector switches.

Specifications CE

Inputs	7 direct digital inputs
Input voltage range	15-27V dc
Max off-state current	1 mA @ 24V dc
Line monitoring current @ 24V dc	• 6 mA (contacts open) • 20 mA (contacts closed) • less than 4 mA for detection of a wire fault
Input impedance	• 1K-2K ohms (on-state) • 2K-3K ohms (off-state)
Input signal delay	• 33ms ±6ms for contact status • 3ms ±2ms for wire-fault status
Backplane current load	300 mA max
Wiring arm	1771-WA

For more information, see Wire Fault Input Module Product Data, pub. 1771-2.69.