

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.

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

Inputs	8 direct digital inputs
Selectable pulse capture/ Module recovery time (ms)	<ul style="list-style-type: none"> • 0.1/0.5 • 0.5/2.5 • 1.0/5.0 • 2.5/12.5 • 5.0/25.0
Input voltage range	<ul style="list-style-type: none"> • 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](#).

Specifications

Inputs	7 direct digital inputs
Input voltage range	15-27V dc
Max off-state current	1 mA @ 24V dc
Line monitoring current @ 24V dc	<ul style="list-style-type: none"> • 6 mA (contacts open) • 20 mA (contacts closed) • less than 4 mA for detection of a wire fault
Input impedance	<ul style="list-style-type: none"> • 1K-2K ohms (on-state) • 2K-3K ohms (off-state)
Input signal delay	<ul style="list-style-type: none"> • 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](#).