

Specifications

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— Specifications

Specifications

T1H-PBC Profibus Base Controller

Module Type	Profibus Network Interface Module
Maximum Expansion	32 stations per segment, 9 repeaters max./segment, 126 stations maximum
Communications	RS-485
Auto-configuring	GSD file in Master
Profibus Profile	DP
Profibus Port	9-pin D-shell
Node Address	1 to 125 (decimal) set by rotary switches (0 used by the Master)
Segment distance	100 meters (327 feet) to 1200 meters (3270 feet)
Baud Rate	Selectable from 9.6 kbps to 12 Mbps
LED Indicators	<p>MODULE STATUS:</p> <p>ON = module power-up check passed OFF = module power-up check failed Blinking = I/O in base does not match configuration</p> <p>LINK ACTIVE:</p> <p>Blinking = Network is active</p> <p>HOLDING TOKEN:</p> <p>ON = PBC is configured correctly and running</p> <p>ERROR:</p> <p>ON = watchdog timer timeout represents hardware, communications, or network fault; power-on reset or reset within master device software</p>
Communications Port	RJ12, RS232C (used for firmware upgrade only)
Base Power Requirement	530mA @ 5VDC

General Specifications

Installation Requirements	mounts to right of first power supply
Operating Temperature	32° F to 131° F (0° C to 55° C)
Storage Temperature	-4° F to 158° F (-20° C to 70° C)
Relative Humidity	5 to 95% (non-condensing)
Environmental Air	No corrosive gases, pollution level = 2 (UL 840)
Vibration	MIL STD 810C 514.2
Shock	MIL STD 810C 516.2
Noise Immunity	NEMA ICS3-304 Impulse noise 1us, 1000V FCC class A RFI (144MHz, 430MHz, 10W, 10cm)
Manufacturer	Host Automation Products

Cable Specifications

Permitted Ambient Conditions	
Operating Temperature	32° F to 131° F (-40° C to 60° C)
Storage Temperature	-4° F to 158° F (-40° C to 60° C)
Installation Temperature	(-40° C to 60° C)
Bending Radius	
First and final bend	>= 75 mm
Repeated bending	>= 150 mm