

GLOSSARY (continued)

Term	Definition
MFP	Multi-Function Processor Module; a multiple-loop controller with data acquisition and information processing capabilities.
MMU	Module Mounting Unit; a card cage that provides electrical and communication support for Infi 90 modules.
MSB	Most Significant Bit; the bit of a binary number that carries the most numerical weight.
OIS	Operator Interface Station; integrated operator console with data acquisition and reporting capabilities. It provides a window into the process for flexible control and monitoring.
PCU	Process Control Unit; rack type industrial cabinet that contains master, slave and communication modules, and their communication paths.
Slave Expander Bus	Parallel address/data bus between the master module and the slave.
TM	Termination Module; provides input/output connection between plant equipment and the Infi 90 process modules. The termination module slides into a slot in the termination mounting unit.
TU	Termination Unit; provides input/output connection between plant equipment and the Infi 90 process modules. The termination unit is a flat circuit board for panel mounting.

SPECIFICATIONS

LOGIC POWER	
Voltage	+5 VDC ($\pm 5\%$)
Current Consumption	55 mA @ +5 VDC (typical) 79 mA (maximum)
DIGITAL INPUTS	
Voltages	24 VDC ($\pm 10\%$) 125 VDC ($\pm 10\%$) 120 VAC ($\pm 10\%$)
Current (typical)	4.5 mA @ 24 VDC 5.0 mA @ 125 VDC 7.0 mA @ 120 VAC rms @ 60 Hz
Turn-On Voltage (minimum)	24 VDC 21.4 VDC 125 VDC 95.0 VDC 120 VAC 85.0 VAC

SPECIFICATIONS (continued)

DIGITAL INPUTS (continued)	
Turn-off Voltage (maximum)	24 VDC 12 VDC 125 VDC 60 VDC 120 VAC 42 VAC
Maximum Input Current at Minimum Turn-on	24 VDC 3 mA @ 21.4 VDC 125 VDC 3 mA @ 95.0 VDC 120 VAC 5 mA @ 85.0 VAC 60 Hz
Off Leakage Current (maximum)	24 VDC 10 uA (@ Vin ≤ 12 VDC) 125 VDC 10 uA (@ Vin ≤ 60 VDC) 120 VAC 1.6 mA (@ Vin ≤ 42 VAC 60 Hz)
DC Response Time	DC 'Fast' - 1.5 ms DC 'Slow' - 17 ms
ISOLATION	
300 volts rms between input and logic circuitry and input to input. CSA approved for 300 volts isolation.	
COMMUNICATION INTERFACE	
Passive contact input interface read by the Multi-Function Processor or Logic Master Module via slave expander bus.	
MOUNTING	
Occupies one slot in a standard Infi 90 Module Mounting Unit.	
ENVIRONMENTAL	
Ambient Temperature	0° to 70°C (32° to 158°F)
Relative Humidity	0 to 95% up to 55°C (131°F) (non-condensing) 0 to 45% at 70°C (158°F) (non-condensing)
Atmospheric Pressure	Sea level to 3 km (1.86 miles)
Air Quality	Non-corrosive
CERTIFICATION	
CSA certified for use as process control equipment in an ordinary (non-hazardous) location.	

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE