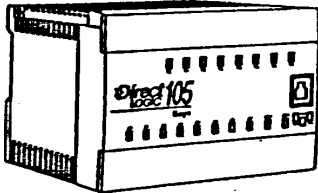




DL 105 Micro PLC



Programmable Logic Controllers (PLC) offer tremendous flexibility in controlling a variety of functions through the power of their small computers, programming language and built in I/O terminals. The micro DL 105 PLC offers the same reliability as its larger cousins that are managing the security, housekeeping, environmental and other controls required of large museums or buildings.

Today's technology enables the design of the micro DL 105 PLC to be packaged into a box about the size of a pound of butter, and at a price affordable for individual museum and tradeshow exhibits. Uses for the DL 105 PLC abound:

- Synchronize sound/light for static exhibits.
- Operate sound / slide presentations upon demand, turn off when finished.
- Manage interactive exhibits.
- Sense visitors entering gallery, turn show on, off when finished.
- Handle different voltages used in a system, e.g. 12V, 24V, 110V.
- Randomly select a few ambient sounds or songs, vary the number of times played in a sequence to avoid annoying repeat patterns.
- Reduce project design time, number of stand alone components.

Just as a PC can serve many diverse applications and games, the general purpose micro PLC economically and reliably controls external sensor inputs associated with small (and not so small) complex exhibits. Programs are easily modified to revise exact timing and control of functions when necessary.

Micro PLCs are only offered with software provided by VGI to assure proper performance to client's specification.

For more information and prices, contact us at:

800-866-2113

info@VistaGroupInternational.com



DL 105 Micro PLC Specifications

External Power Requirements	94-240 VAC, 30 VA maximum 100-240 VDC, 30 W maximum
Communication Port	K-Sequence, 9600 baud, 8 data bits, odd parity
Programming Cable Type	D2-DSCBL
Internal Field Supply Ratings	+24VDC, 0.5A maximum, isolated
Operating Temperature	32-140° F (0 to 60° C)
Storage Temperature	-4 to 158° (-20 to 70° C)
Relative Humidity	5 to 95% (non-condensing)
Environmental Air	No corrosive gases permitted
Vibration	MIL STD 810C 514.2
Shock	MIL STD 810C 516.2
Noise Immunity	NEMA ICS3-304
Terminal Type	Removable
Wire Gauge	One AWG14 or two AWG16, AWG24 minimum

Parameter	High-Speed Inputs, X0 – X3	Standard DC Inputs X4 – X11
Input Voltage Range	10 - 26.4 VDC	10 - 26.4 VDC or 21.6 - 26.4 VAC
Maximum Voltage	30 VDC (5 kHz maximum frequency)	30 VDC
Minimum Pulse Width	100 μ s	N/A
ON Voltage Level	>9.0 VDC	>9.0 VDC
OFF Voltage Level	<2.0 VDC	<2.0 VDC
Input Impedance	2.8 k Ω @ 12 – 24 VDC	2.8 k Ω @ 12 – 24 VDC
Minimum ON Current	>3 mA	>3 mA
Maximum OFF Current	<0.5 mA	<0.5 mA
OFF to ON Response	<50 μ s	2-8 mS, 4 mS typical
ON to OFF Response	<50 μ s	2-8 mS, 4 mS typical
Status Indicators	Logic side	Logic side
Commons	4 Channels/Common x 1 Bank	4 Channels/Common x 1 Bank 2 Channels/Common x 1 Bank

Operating Voltage	12 – 250 VAC, 12 – 30 VDC @ 7A, 30 – 150 VDC @ 0.5A, resistive
Output Current	7A / point (subject to derating) 14A / common
Maximum Motor Load	1/3 HP
Maximum Voltage	265 VAC, 30 VDC
Minimum Off Resistance	100 meg ohms @ 500 VDC
Smallest Recommended Load	10 mA
OFF to ON Response	15 mS
ON to OFF Response	5 mS
Status Indicators	Logic Side
Commons	2 Channels / Common x 4 Banks
Fuses	None (external recommended)