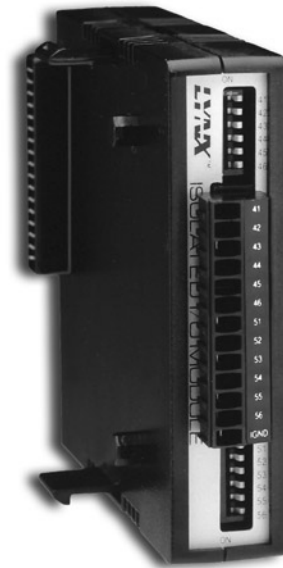


LYNX™ EXPANSION MODULE

ISOLATED DIGITAL I/O

Sold by Servo Systems Co.
 115 Main Road, P.O. Box 97
 Montville, NJ 07045-0097
 Toll Free: (800) 922-1103
 Phone: (973) 335-1007
 Fax: (973) 335-1661
 www.servosystems.com



FEATURES

- Low Cost
- Twelve +5 to +24 VDC Isolated I/O Points
- I/O Lines Software Configurable as Input or Output
- I/O User Definable as Dedicated or General Purpose
- Programmable Digital Filtering for Inputs
- 350 mA Current Sink Capability per Point
- Over Temperature and Short Circuit Protected
- Inductive Current Clamp
- Switch Selectable Pull-up to +5 VDC
- Plugs Directly into the LYNX Control Module or Combination Control Module
- Removable Screw Terminal

DESCRIPTION

The Isolated Digital I/O Module is designed to plug directly onto the LYNX Control Module or Combination Control Module. This expansion module adds twelve additional +5 to +24 VDC isolated I/O points to the LYNX system. These points are divided into two groups of six each.

Each I/O point may be individually programmed as either dedicated (limit, home, etc.) or general purpose. In addition, they may be used collectively as a group to read or write BCD (Binary Coded Decimal).

When used as inputs, these I/O points have seven programmable filter settings ranging from 215 Hz to 27.5 kHz. As outputs, each I/O point is capable of sinking up to 350mA. The I/O is isolated from the power supply ground.

A switch selectable pull-up resistor is provided for each I/O point to pull the point up to the internal +5 VDC.

Protection circuitry includes over temperature, short circuit and inductive current clamp.

ELECTRICAL SPECIFICATIONS

Input Voltage Range.....	0 to +24 VDC
Input Low Level.....	<1.5 volts
Input High Level.....	>3.5 volts
Open Circuit Input/Output Voltage	
Pull-up Switch On.....	4.5 volts
Pull-up Switch Off.....	0 volts
Load Supply Voltage.....	+24 VDC max (transient protected to 60 volts)
FET on Resistance.....	2 Ohm max (T _j = 125°C)
Continuous Sink Current.....	350 mA max each output (T _a = 125°C)
Maximum Group Sink.....	1.5 Amps (thermally limited)
Filter Cutoff Frequencies.....	27.5, 13.7, 6.89, 3.44, 1.72 kHz 860, 430, 215 Hz

MECHANICAL SPECIFICATIONS

Dimensions in Inches (mm)

