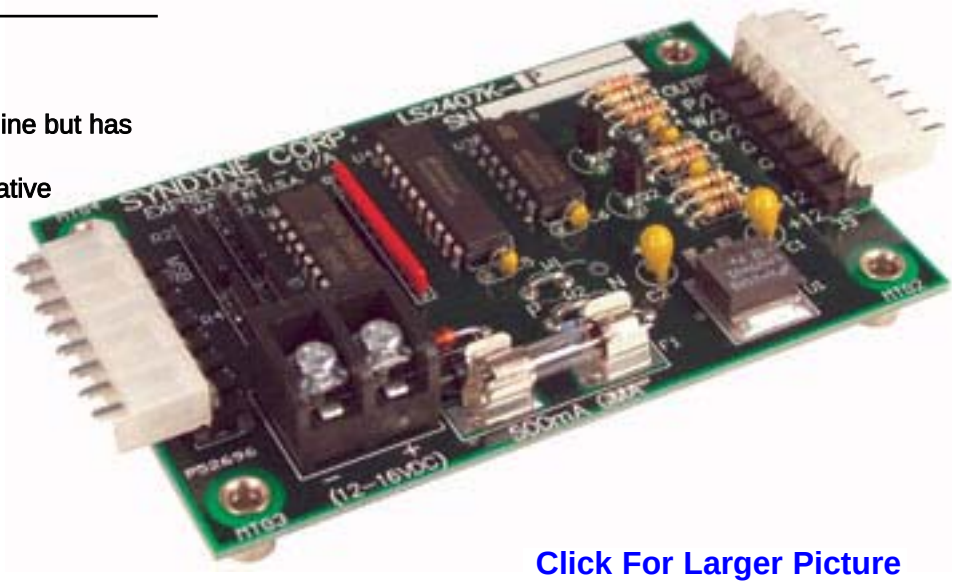
LS2407K Expression Control Board

FEATURES:

- 8-bit Digital to Analog Conversion
- 256 Steps of Expression
- Designed to work with the Arndt Swell Engine but has the capacity for use with other Engines
- Digital Input Can be either Positive or Negative



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SPECIFICATIONS:

System Design Intent:

This board performs an 8-bit Digital to Analog conversion resulting in a resolution of up to 256 steps. It was designed specifically to work with the Arndt Organ Supply swell engine but is flexible enough to potentially operate other analog input devices (consult with the factory for your unique application). The LS2407K's 8-digital inputs can be ordered for either a negative or positive polarity.

Dimensional

Length 4-1/2"

Width 2-1/2"

Height 1-1/4"

Mechanical

Mounting: Four built-in standoffs for screw mounting.

Connections: A large terminal block is provided to connect power to the board and plug-in connectors are provided for input and output connections.

Electrical

Power Supply: Operates on typical regulated organ power between 12-16VDC.

Capabilities

- Arndt Swell Engine: The Arndt swell engine can potentially obtain a resolution of 64 steps and so it is recommended that at least 6 (Inputs 8-3) of the digital inputs be used. A Syndyne pipe driver board's 7 Stop line outputs can be configured as a 7-bit digital Expression output (128 steps of resolution) and wired directly to inputs of the LS2407K board.

- Other applications: A 12VDC reference plus inputs for the upper and lower analog limits are available to interface with other analog input devices.

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