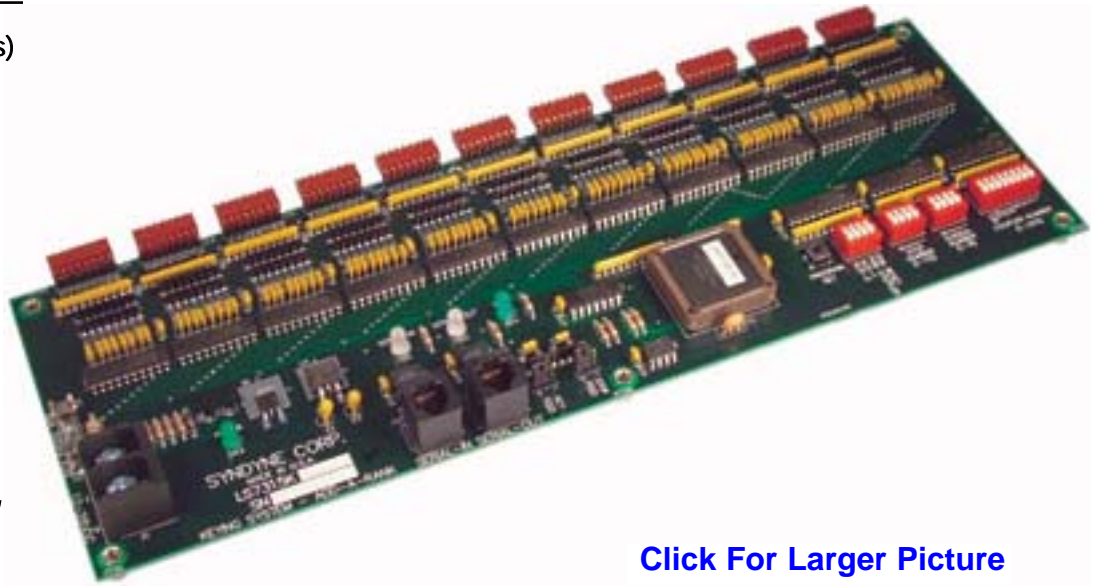


LS7315 Single Division Keying System

FEATURES:

- Add a rank (or multiple ranks) of pipes to an existing organ without changes to any existing electronics
- Inputs for 73 notes and 15 stops
- Will accept either positive or negative signals from keyboard contacts
- Will accept either positive or negative signals from stops
- All stop inputs are easily programmable as couplers
- Transmits serial data compatible with all of our 49, 73 & 97 note driver boards
- Ideal Controller for tuning benches



[Click For Larger Picture](#)

SPECIFICATIONS:

SYSTEM DESIGN INTENT:

In many instances it is difficult and/or costly to add a rank of pipes to an existing organ. The LS7315 Add-A-Rank board was designed for many of those applications where you want to add a unit rank to an existing instrument. The LS7315K is designed to be compatible with all existing organ controls.

APPLICATIONS

1. You have an existing straight division and you want to add a trumpet to play at 16', 8' and 4'. An LS7315K is connected to the existing chest lines and an LS2473-7KP driver board is added for the new trumpet wind chest. The driver board will be programmed to play at three different pitches according to which stop input of the LS7315K is on, Unison, Octave and Fifteenth. An additional LS7315K could be added to play the same trumpet from the pedal.

2. If the swell of an existing organ consists of several straight stops with a flute unit playing at 16', 8', 4', 2-2/3' and 2', the flute unit

relay can be replaced with one LS7315K board and an LS2497-7KP driver board. Additional unit stops, such as 1-1/3', 1-3/5' and 1' can be added by simply adding stop tabs. It was quite common to have the flute unit unified to the pedal with switches in the console. These switches can be left as they are, wired to the chest directly or replaced with a second LS7315K.

3. On small unit organs that have stop switching in the console at the key action it can be difficult to add ranks without replacing the whole stop switching system or tediously rewiring the stop switches. By using a row of key contacts (which are often left as spares) any number of ranks can be added with several pitches per rank using the LS7315K.

4. Small unit organs without couplers can be economically built by using LS7315K boards as the keying system.

5. It provides a great small system for a tuning bench. Stops on the bench can be set to play different pitches to allow one finger chords.

CAPABILITIES:

Inputs: Will accept either positive or negative stop sense and note inputs. All inputs can be tied directly to existing chest junctions or console note junctions without interfering with existing controls.

Outputs: A serial data connector is compatible with all of our driver boards.

DIMENSIONAL:

Length: 13"

Width: 5"

Height: 1-1/4"

MECHANICAL:

Mounting: There are 6 built-in standoffs for screw mounting.

Connections: All connections via plug-in connectors on the board for ease of installation.

ELECTRICAL:

Power Supply: Operates on standard organ rectifier power 12-28VDC. Fused power supply is provided to operate on-board electronics.