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# EGO Systems Inc.

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# GPI Slave

Model Number: SL101



## Details

EGO Systems Inc. produces custom design electronics for the Cable, Broadcast, and Telephony markets specializing in switching and automation products. The GPI Slave is the secondary component of a master/slave automation system. The Model SL101 will receive control data via redundant video feeds (only one required for operation) or RS-232 serial data stream. The control will mimic 8 to 48 unique channel (expandable up to 192 channels) (ABC relay) outputs and RS-232 serial stream as it occurs on the MST101 within one frame, regardless of how many slaves are attached to the control video or data stream.

## Modes of operation

### BIT + BYTE Modes

**BIT Mode:** Is designed to be a relay mimic control system where as either a contact closure, any one of six predetermined DTMF tone sequences (4 digits) per channel will initiate a relay activation in any number of slaves connected to the video feeds or RS-232 CTRL / LOG port on the same unique channel and simultaneously output control data via the RS -232 LOG port.

**BYTE Mode:** Is not limited to specific channel operation, and allows for serial data communication via the video signals at a maximum rate of 1200 baud. This mode is not as predictable as BIT mode but allows for greater range of control and up to 288 DTMF tones sequences (4 digit) per slave channel. This mode still allows for contact closure mimic operation to the relays, but will only guarantee one frame accuracy with five simultaneous closures. This mode also identifies input properties of the control data identifying which tone or input trigger controlled a unique channel.

## Features/Benefits

The SL101 is the secondary component of a master/slave automation system. It is designed to receive control information from the MST101 or RS-232 serial data stream and then mimic or communicate this control directly to the eight to forty-eight relays (expandable to 192) and the RS-232 serial CTRL/LOG port. This is accomplished by automatically identifying the proper fields within the vertical interval that the control data has been encoded on by the MST101 or by direct RS -232 serial data stream.

### Some of the unique features of the SL101 are:

- > Automatically detect control data field changes and adjust to them, whereas the MST101 can alter which fields it inserts the control data onto.
- > Manually map control data fields, output relays, and data to the serial port.
- > Automatically detect and select BIT or BYTE mode operation