Model LS-1 LogiStop® Multiple-Stop Limit Switch

Some standard features of the LogiStop® control package are:

- Easy 3 step programming – jog to the desired position, press the PROG/ENTR key, then the number to be assigned to the current position.
- Onboard LCD display - displays items such as: current instruction, current count value, board state, diagnostic
  messages, etc.
- Power loss security – the machine remains locked-out after a loss of input power. The LS-1 must be manually reset after the system is checked. (programmable feature)
- Programmable Coast tolerance – adjusts the stop point to allow for inertial loads of the system. Independent for each direction. (programmable feature)
- Optically isolated low voltage control inputs.
- Non-volatile memory – programmed positions are stored in eprom memory which retains it memory even if power is lost.
- Form C output relays for connection to standard contactors, DC Drive boards or AC Inverter drives.
- Form C Brake relay for operation of external friction brake.
- DIP switch settings for enabling or disabling Power Loss lockout, DMX control, Remote Control Programming, Auto-zero on limit activation and acceptance of full 513 byte packets only.
- Mechanical rotary over-travel limit switches.
- Keypads for local programming and control (cannot be removed from control box).
- Provided in an NEMA 1 type control box.

DMX Compatible

- DMX compatible – the new LS-1 is now capable of being directly connected to any DMX512 network.
- The LS-1 has terminal strip connections for D+, D-, Shield, SP+ and SP- so the DMX network conductors can be wired directly to the board without the need for special connectors or plugs.
- The LS-1 also has a built in Termination Resistor for the DMX network.
- Base address for the DMX network is set via on board rotary digital switches. Each stop position requires one
  DMX channel.
- The LS-1 program includes protection from unintended movement if channels are left high when others are taken low.

RS232 Terminal Emulation

- The LS-1 can be programmed and operated by an RS232 network and Terminal Emulation software.
- The LS-1 is provided with an on board standard 9-pin RS232 port.
- Information such as: current instruction, current location, count value, etc are transmitted back through the RS232 port and can be displayed on the terminal connected to the port as well as the LS-1 onboard display.
- The RS232 connection also allows the user to set a Dimension Value (DIMF) which is based on the size of the output drum, spool or sprocket, and allows actual footage values instead of count values to be displayed.

Pushbutton and Contact Remote Controls:

- The LS-1 can be operated via any type of normally open, momentary operation pushbutton or contact set.
- Connections to the pushbutton or contact operators are via onboard removable, screw type terminal strip connectors.
- All contacts share a single signal or common conductor. Each function then requires a single additional connection.
- All functions may be addressed via the pushbutton or contact connections.
- Control voltage is 12 VDC and it is a Class 2 circuit.
- All inputs are optically isolated.
- Anywhere from 2 to 20 input pushbuttons or contact sets can be used to address 2 to 20 stop positions.
- Optional remote control stations available. Contact the factory for additional information.