

STREAM SELECTOR

SEQUENCER FOR ANALYTICAL APPLICATIONS

STL-94 • STL-96



OVERVIEW

The ASHE STL series Stream Selectors are a range of micro-controller based Sequencers for analytical applications with control Relay outputs and Analog signal retransmission outputs, offered in a highly compact, rugged and reliable execution. The instrument has six keys on the front panel, with which the operator can set the parameters and configure the instrument as desired.

The instrument performs sequencing logic and controls stream selection of up to six streams in analytical applications, using control Relay outputs for each stream, which can be synchronized by external Pulse or Timer. The instrument also provides analog outputs on Sample and Hold basis for each Stream. LED indications are provided on the front panel for display of status of Streams, Low and High Alarms of each channel.

The instrument offers a comprehensive display of parameters and menu selections on a brightly backlit 20-character x four-line LCD display. Options include Auto and Manual modes, Pulse or Timer based sequencing, etc. The instrument operates on universal AC power supply (90 to 270 V AC, 50/60 Hz) and is offered in standard 1/2 DIN panel-mount execution. The instrument has non-volatile memory.

Other features include its inherent accuracy and immunity to shocks, dust, ambient temperatures, and humidity. It is available in standard panel mounting enclosures. Further, the instrument is manufactured using selected high-grade components which guarantee its functionality and long operational life.

All ASHE range of instruments carry a lifetime warranty against defects in design and workmanship.

SPECIFICATIONS

Model	STL-94 [Four-Stream] STL-96 [Six-Stream]
Type	Micro-controller based sequential Stream Selector.
Input Signal	Analog 4 to 20 mA DC Digital 12 VDC Pulse Input (For Stream Selection)
Number of Streams	Four / Six.
Display	20 x 4 character Alphanumeric LCD Display with white Backlight. LEDs for Stream status LEDs for indication of Low Alarms LEDs for Indication of High Alarms LEDs for Status Indication (Auto, Manual & Pause) LEDs for Start/Stop status indication
Scale Range	0000 to 9999 (Selectable)
Response time	Typically 100 mS.
Control Outputs	For Streams 4/6 Potential-Free Relay Contacts For Low Alarms 4/6 Potential-Free Relay Contacts For High Alarms 4/6 Potential Free Relay Contacts
Contact rating	7 Ampere @ 230 V AC (Resistive Loads).
Analog Outputs	4/6 4-20mA retransmission signals (primary active secondary passive)
Analog Signal Type	Sample and Hold
Load Capacity	600 Ohm
Memory	Non-Volatile (on EEPROM).
Settings	By six nos. of touch sensitive keys on front panel.
Settable Features	Control Logic, Alarm Set points, Channel Skip etc.
Accuracy	± 0.3%
Power Supply	90 to 270 V AC, 50/60 Hz, universal AC power.
Enclosure	Panel mounting.
Bezel Dimensions	192 x 96 mm [1/2 DIN]
Cut-out Dimensions	188 x 92 mm
Depth	200 mm
Weight	Approximately 1.5 kgs.

FEATURES

- Microcontroller based design.
- Four-Stream and Six-Stream options
- Bright 20-character x Four-line LCD display
- Auto and Manual operations
- Time and Pulse mode options
- High accuracy and linearity to input signal
- Control Relay output for each Stream
- Fully configurable
- Retransmission of each stream signal.
- Sample and Hold facility for non-active channels
- Channel Skip feature
- Universal AC Power Supply
- Compact & rugged, industrial grade enclosure
- High Noise immunity.
- Panel mount installation
- Proven record of installations
- Lifetime warranty on design and workmanship