

Stream Sequencer Unit

SSU1



SSU1

FEATURES

- » Designed for sample sequencing selection
- » Suitable for longer service in a safe area.
- » Easy to install
- » Easy to configure as required with help of a keypad and display
- » Light weighted
- » Easy to operate & user friendly

ADVANTAGES

- » 6 Nos. sample Stream selection for analysis with this unit
- » Multiple outputs per stream
- » Analogue and digital input provision
- » 6 Nos. analog output provision
- » Front Keypad easy for configuration
- » Common alarm contact available
- » Maintenance free
- » Easy to replace all card
- » Male Female Terminal at the bottom side for easy disconnecting of the unit
- » Low power consumption
- » 32 discrete LEDs for process status indication

DESCRIPTION

The system is based on an 8-bit microcontroller. It is to be used for selecting one of the EIGHT streams by SYNC. The pulse from Analyzer if the trigger mode is Pulse. Stream selection will be according to preprogrammed timings if the trigger mode selected is TIME. With the help of a keypad and display on the front, the system allows to set and modify the following parameters of each stream.

- » Full scale value for Scaling analog input
- » Skip/Unskip a stream
- » Stream On Time
- » Power On status
- » Alarm set-points

In pulse mode, the system allows to skip/Inskip specified stream and in time mode if the value of Stream On time is programmed as zero, it is skipped.

When the system is put in RUN mode, through the front keypad, the sequence is executed. The relay contacts are switched ON and OFF as per the predefined sequence.

The Powered contacts will be used to switch the ON and OFF Solenoid Valves fitted in the system. Potential free contacts for each relay are provided for remote status indication.

Alarm relays are also switched On and Off as per the input from the analyzer.

Analog input is continuously sampled. The value of analog input is continuously displayed in RUN mode. When the PAGE key is pressed, Latched value for each stream is displayed for streams 1 to 6 respectively. Analog output for each stream is updated after its sampling & analysis are completed.

TECHNICAL SPECIFICATION

General	
Type	SSU1
Mounting	Panel Mounting
Dimension	245 mm X 160 mm X 95 mm(WxHxD)
Panel Cut-Out	209 mm X 126 mm(WxH)
Weight	<2 Kgs.
MOC of Enclosure	SS (Metallic Optional)
Functionality	
No of Streams	Up to 6 stream (Up to 12 stream optional)
Key Board	12 Keys Keypad
Display	20*4 LCD Display 32 Discrete LEDs for Relay/Process status Indication
Input/ Output	
Digital Input	Sync. (From Analyzer) (Up to 4 potential free)
Analog Input	Up to 6 channels (4 - 20 mA)
Analog Output	Up to 6 channels (up to 12 channel optional); 4 to 20 mA Latched Output
Relays	
For stream Selection	6 Potential free contacts (Up to 8 channel optional)
Alarm	(Optional) Details like contact rating (Potential free)
Communications	
Serial Communications	RS 232 or RS 485 (Optional)
Interface	Modbus
Power Supply	
Mains Supply	24 V DC (110-230VAC, 50Hz Optional)
Power Consumption	20 VA



* The CE Approval Available