

Signal Splitter **SL335**

The SL335 is a field configurable isolating converter/ signal splitter, providing true 4-way galvanic isolation up to 1800Vrms for standard process signals. Standard models have three encoder switches under a door flap to set input and two output

All models also have an additional user range for odd input output settings which is selected for use when all switches are in the F position.

- Small 12.4mm case.
- Wide range ac/dc power supply.
- Precision digital measurement and digital to analogue output after the isolation barrier. This removes all errors associated with the isolation process and ensures faster input to output response.
- (When fitted) 1100 input to output range combinations using the three encoder switches mounted under the top door, no recalibration is necessary.
- Models supplied without the range switches are supplied at a reduced cost and provide a higher level of security on range / calibration settings.
- All models include an independent user range.

Modules with "Extended User Settings" have additional capabilities set with the SL300 programmer.

- Input linearisation.
- User engineering units and scaling.
- Reverse and direct acting
- Signal limiting.
- 20 character name.

Order Code Description Conformal Coating

SL335-22 Switch Ranges + Extended User Settings.

*) SL335-23 Switch Ranges + Extended User Settings.

General Specifications

10V-60Vdc / 16-42Vac 50/60Hz Power supply: 12.4W x 113H x 108D (mm). Size: Mounting: Clip for 35mm DIN-Rail. ABS / Polycarbonate blend Housing material: Pluggable screw terminals. Connection:

85g. Weight: Protection class: IP40. Calibration accuracy: <0.1%. Linearity: <0.1%. Operating temperature: -5...+65°C. 0.01% per °C. Temperature drift:

< 0.05% (limited to 22mA) Load change effect: Response time: 500ms slow/ 25ms fast. Output drive: 10mA into 0-2k Ω , 20mA into 0-800 Ω .

Current input / < 100Ω . Input impedance: Voltage input $/ > 1M\Omega$.

Loop power: 19V / 24mA (Input 4 = 4-20mA loop input)

Overload continuous:

30V MAX. Voltage input: Current input: 100mA MAX. Noise immunity: 130dB CMRR. Input/output isolation: >1.8kVrms.

EMC: AS/NZS 4251.1 (EN 50081.1)

The user range is selected for use when all three switches are in the F position. No test and calibration equipment is required when programming the user range with the SL300 programmer.

= Price Extra.

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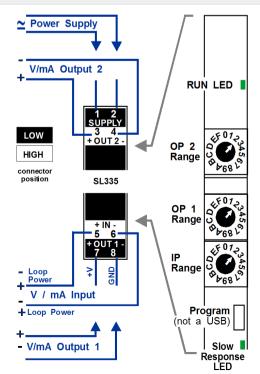
Switch IP and OP Selections

Range switches are r

IP	Input
1	0-10mA
2	0-20mA
3	4-20mA
4	4-20mA LP
5	0-1V
6	0-2V
7	0-5V
8	1-5V
9	0-10V
Α	2-10V
В	0-20V
F	User range

not fitted on all models	
OP	Outputs 1 & 2
1	0-10mA
2	0-20mA
3	4-20mA
4	0-1V
5	0-2V
6	0-5V
7	1-5V
8	0-10V
9	2-10V
Α	0-20V
F	User Range

Connection and Under Door Controls



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