

ADC313LX Signal Selector

- Supply voltage: 24Vdc / 115Vac / 230Vac
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

TECHNICAL SPECIFICATION

INPUT 1 & 2

DC current / voltage can be specified in the range of:
Current up to 100mA max (Passive)
Voltage 0.4 to 100V max
Typical input: 4 - 20mA (Passive)
Note: Inputs will have Common 0V.

VOLT FREE CONTACTS

Input can be selected remotely via volt free contacts.
CONTACT OPEN = INPUT 1
CONTACT CLOSED = INPUT 2

RESET CONTACTS

Latched trips reset remotely via volt free contacts.
Contacts normally open, close to reset.

ANALOGUE OUTPUT

Output representing selected input.
Typical output range: 4 - 20mA (Source) other mA and Voltage ranges available as standard option.

RELAY OUTPUT

Latching 2 X SPCO, Fault 1 x SPCO rated at 250VAC, 2A, 100VA resistive.

CONTROLS

Zero / Span (+/- 20%): 15 turn potentiometers for output calibration.
Trip 1 / Trip 2 settable range 0 -110% of output span via 15 turn potentiometers.

INDICATOR

LED, Amber: Power ON:
LED, Red: 2 x Trip status (Distinguished = Healthy)
LED, Red: Fault if selected input <3.8mA - 29.5mA>
LED, Green: Input selected. (Energised = Selected)

PERFORMANCE

Linearity: < $\pm 0.1\%$
Response time: Typically < 400ms
Accuracy: < $\pm 0.1\%$
Trip settability: better than $\pm 1\%$
Trip repeatability: better than $\pm 0.1\%$

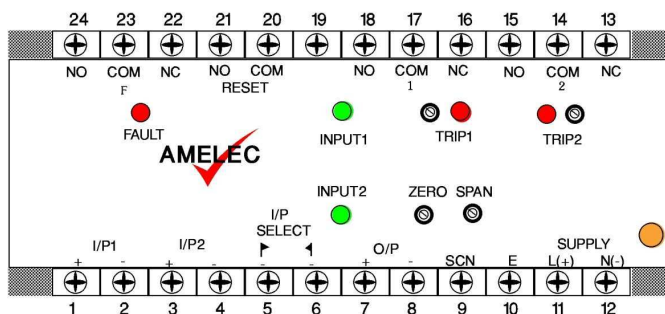
PROTECTION

Input O/C drive downscale
Isolation 1000V RMS.
Inputs/Output/Contacts/Supply/Earth
Internal Fuse. 2 x 250mA / F 1 x 200mA / T
Input over range up to typically 300%.

FRONT VIEW



TERMINATION & WIRING



ENVIRONMENTAL CONDITION

Storage temperature: - 40 to +70 °C
Operating Ambient: -15 to +55 °C
Relative Humidity: 5 to 95% RH

MOUNTING / DIMENSION

Enclosure: 152w x 81h x 137d
Mounting: Din rail / Surface (optional Panel Mount)
Weight < 300g

ADD ON / OPTIONS

DI: LCD display for local monitoring
J : Input injection jack socket
P: Test point
Non standard Power supply ranges available