

Model SY038 Load Cell Amplifier

DIN rail mount with current or voltage output

- Compact DIN rail mounting
- Specifications
- East set up with Span & Zero adjustments
- Excitation for up to four 350Ω transducers
- Power supply +24Vdc (polarity protected)
- High accuracy
- Current and voltage options
- User selectable sensitivity, via easy to use switches



Specifications

Wiring Details

A	Ex-	E	+24V
B	In+	F	OV
C	In-	G	Out
D	EX+	H	OC

Alternative DIN mount units available

- AC/DC power supplies
- 4-20mA trip unit with dual relay outputs & LED Hi/Lo indicators
- Options include DIN rail mount 24Vdc PSU

Power Supply	Nominal 24Vdc (17-30) Input diode protection against reverse polarity. Supply rejection >100db
Bridge Excitation	10Vdc @up to 150mA
Sensitivity	0.25 – 4mV/V, adjustable in 0.25mV/V steps
Output	Current version 0.4-20mA (Sy038I). Voltage version +/- 10Vdc (Sy038V)
Bandwidth	1.5kHz (Typical)
Drift	0.1µV/deg C at input, typically 35ppm/C
Span Adjustment	+/- 20%
Zero Adjustment	Current version 0-14mA; Voltage version version +/- 4v (at output)
Connections	Rising clamp terminals with 3.5 x2.5mm apertures
Dimensions	H 72.5mm x W 18mm x D 62mm
Case	Grey flame resistant polyamide. Use with DIN rails EN50035 asymmetric, EN50022 symmetric