

Model SY018 Load Cell Amplifier

DIN rail mounted with current or voltage output

- Compact DIN rail mounting package
- Easy set-up with Span and Zero adjustments
- Excitation for up to four 350 ohm transducers
- Power supply +24 Vdc (polarity protected)
- High accuracy
- Current and Voltage output options

Specifications

Power Supply	Nominal 24 Vdc (17-30). Input diode protects against reverse polarity connection. Supply rejection > 100dB
Bridge Excitation	10Vdc @ up to 150mA.
Sensitivity	Nominal 2.0 mV/V Factory adjustable from 0.75 to 10+ mV/V
Output	Current version 0/4-20 mA (order SY018I) Voltage version +/- 10 Vdc (order SY018V)
Bandwidth	5 kHz
Drift	0.1uV/deg C at input. Typically 35 ppm/C
Span Adjustment	+/- 20%
Zero Adjustment	Current version 0-11 mA Voltage version +/- 2V (at output)
Connections	Rising clamp terminals with 3.5 x 2.5 mm apertures
Case	Grey flame resistant polyamide. 72.5mm H x 18mm W x 62mm D Use with DIN rails EN50035 (DIN46277-1) asymmetric EN50022 (DIN46277-3) symmetric
Optional	DIN rail mount 24 Vdc power supply



Wiring Details

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

Alternative DIN mount units available:

- AC-DC power supplies
- 4-20mA trip unit with dual relay outputs & LED Hi/Lo indicators

Other items in our electronic range include, Digital indicators, Batch controllers, Boxed load cell amplifiers, Power supplies, Load cell simulators, data acquisition cards and the ability to provide specialist design and short order manufacturing facilities.

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