



Product Description

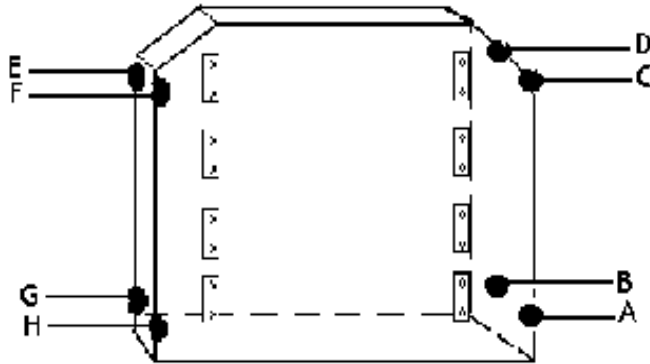
The SY028 load cell amplifier is a level indicator used in monitoring high and low load levels. It's the only amplifier with an internal alarm functionality that allows it to determine if an applied load is within the acceptable preset range. The unit does not have any output as the measurements taken are used to switch the relays, hence indicating state of instrumentation. Its high input impedance means it can be connected in parallel with other monitoring devices. In this case only one device should be used to provide the excitation supply. LEDs are provided to indicate the operation of the relays.

Specification

Parameter	Min	Typ	Max
Supply voltage (V dc)	7	24	30
Input options	bridge (loadcell, pressure sensor)		
Excitation (V)	4.8	5	5.2
Input Sensitivity (mV/V)	0.25		10
Bandwidth (kHz)		3	
Stability (ppm)		50	
Relay Output / on state resistance	Isolated 2 x 1A 200V DC / 35R		
Relay Isolation Voltage (Vrms)	1500	-	-
Relay switching voltage (at 110mA)		350V	
Frequency range (Hz)	0		1k
EMC	CE certified		
Operating temp.(C)	-40		85
Storage temperature (C)	-55		125
Case	H (on rail) = 72.5mm, W = 18mm, D = 62mm. Moulded in grey flame resistant polyamide. For use with rails to EN50035 (DIN46277-1) asymmetric or EN50022 (DIN46277-3) symmetric.		
Connections	Rising Clamp terminals with 3.5 x 2.5mm apertures		

Wiring

The unit connections are as indicated for the three-way plug and socket



- A: Ex- or power supply 0V
- B: IN+ (4-20mA Input)
- C: IN- (4-20mA return)
- D: EX+
- E: +24V
- F: RLY1 (High)
- G: Relay Common
- H: RLY2(Low)