

## ADG231 Process 4-20mA Signal Splitter / Isolator

- Suitable for use in SIL1, SIL2 and SIL3 rated Safety Instrumented System (SIS) Loop applications (EN 61508-2)
- Non-Smart / Non-uProcessor based, Type A instrument
- Ultra slim Compact Design, up to 30 units along 12" length of Din Rail
- 6 Year Warranty
- Universal DIN Rail Mounting, suitable for TS35 Top-Hat & TS32 G-Rails

### Technical Specification

#### Input Options (Impedance)

0/4-20mA (Passive port)	50Ω
0/1-5Vdc	500K

#### Dual Output Options (Drive)

0/4-20mA (Active port)	Max load 300Ω
0/1-5Vdc	Min load 200KΩ

#### Supply

24Vdc ±10% std. (12V / 18-27Vdc supply options 'X' available)  
(Red LED Power ON indicator)

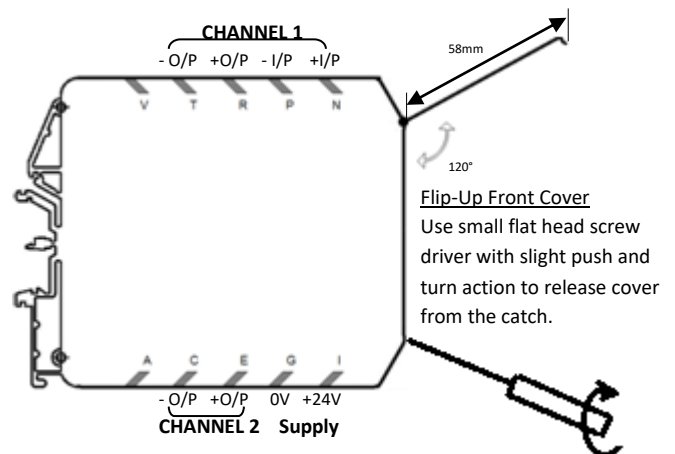
#### General Specification

Isolation:	1000V RMS Input/Output1/Output2/Supply
Linearity:	<± 0.05% of full scale
Accuracy:	<±0.1% of full scale
Response Time:	<200mS (0-100% step)
(High Speed <25mS 0-100% step response option 'HS' available)	
Vibration:	1g at 15Hz to 150Hz
Low Power Consumption:	1.5Watts
IP Rating:	IP20
Weight:	75g

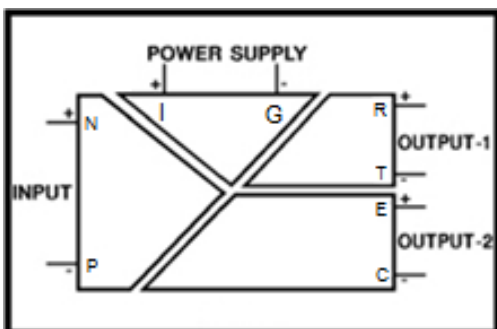
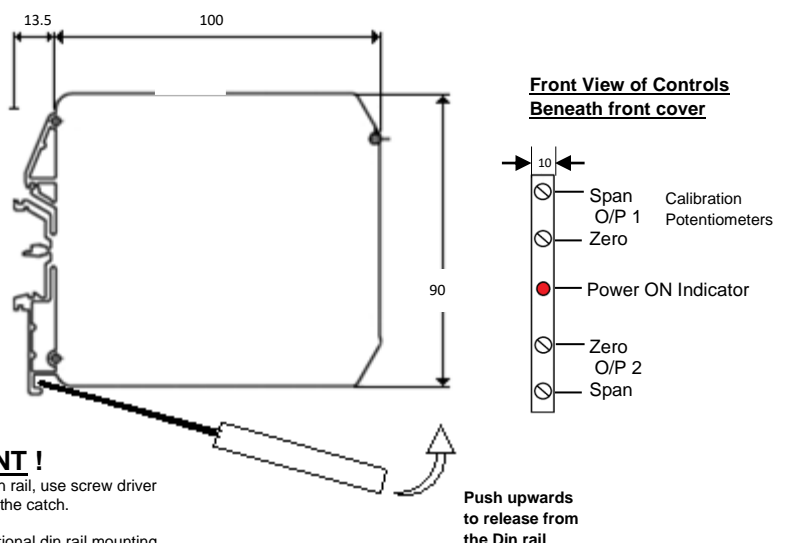
#### Environmental Conditions

Operating Ambient: -15 to +55°C  
Relative Humidity: 5 to 95% RH (Non-Condensing)  
EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

(Dummy units available if planning for future expansion)



#### Overall Dimensions: 10w x 90h x 113.5d mm:



#### ! IMPORTANT !

To dismount from Din rail, use screw driver as shown to release the catch.

(Please refer to additional din rail mounting instruction sheet for further guidance, available on request if needed)