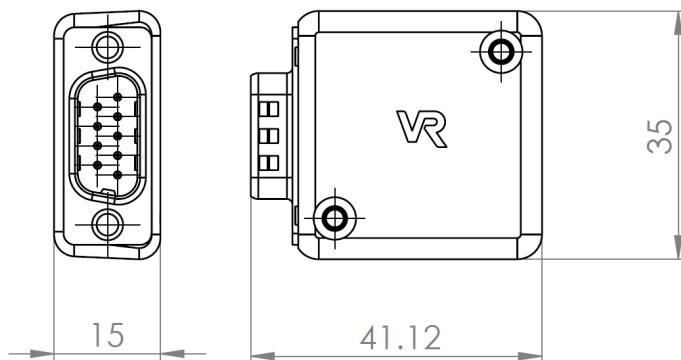


Introducing the TGC

The TGC converts two independent tachometer-generator sinusoidal outputs to digital zero-to-five-volt levels allowing EFIS systems (like the Garmin G3X) to read and display these speeds.

Tachometer-generators are used on gas-turbine engines to measure the speeds of various shafts like N1 and N2.

Dimensions



Pin-out

| PIN | DIR | DESCRIPTION |
|-----|-----|----------------|
| 1 | IN | POWER |
| 2 | IN | TACH #1 IN A |
| 3 | IN | TACH #2 IN A |
| 4 | IN | TACH #1 IN B * |
| 5 | IN | TACH #2 IN B * |
| 7 | OUT | TACH #1 OUTPUT |
| 8 | OUT | TACH #2 OUTPUT |
| 9 | GND | GROUND |

* internally connected to ground



Specifications

| PROPERTY | VALUE |
|----------------------------|-------------------|
| Dimensions | 41.12 x 35 x 15mm |
| Weight | 25 gram |
| Operational voltage | 7 - 40 VDC |
| Temperature range | -55 - +85 °C |
| Maximum operating altitude | 55,000 feet |
| Input frequency range | 0 - 100 Hz |
| Input voltage range | 0.1 - 150 Vpp |
| Output current | ± 20 mA |

Typical Connection

