

## ADC355X-2-M Pulse Repeater / Isolator / Splitter

- Suitable for SIL 1 & SIL2 rated (EN 61508-2) safety instrumented System (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage options: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 10\%$   
48Vdc  $\pm 10\%$
- RFI Protection to EN 61000-4-3 available ('K' option)
- Non-Smart/Non-uProcessor based, Type A instrument
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Input

Can be specified as:  
 Volt free contacts (wetted with 10Vdc @3mA)  
 Excitation up to 24Vdc can be specified  
 Voltage pulses from 5V to 200V.  
 Current from 100uA  
 (NAMUR/AC/NPN/PNP/TTL/OPEN COLLECTOR/RELAY)

#### 2 x Output Repeats

Can be specified as:  
 Volt free contacts: 200V / 1A / 20W max Freq 1KHz Max.  
 PNP: 24V @ 30mA max. Freq 10KHz max  
 Open collector: 24V @ 20mA max. Freq 10KHz max

#### Isolation/Protection

1000V RMS\*. Input/Output1/Output2/Supply/Earth  
 \*(500Vdc if 'K' option is specified)  
 Internal mains fuse

#### Environmental Conditions

Storage Temperature: -40 to +70°C  
 Operating Ambient: -15 to +55°C  
 Relative Humidity: 5 – 95 RH (Non Condensing)  
 EMC: 2014/30/EU, EN 61326-1:2013 (controlled EM)

#### Indicators

1 x Green LED: Input pulses  
 1 x Yellow LED: Primary Supply

#### Controls

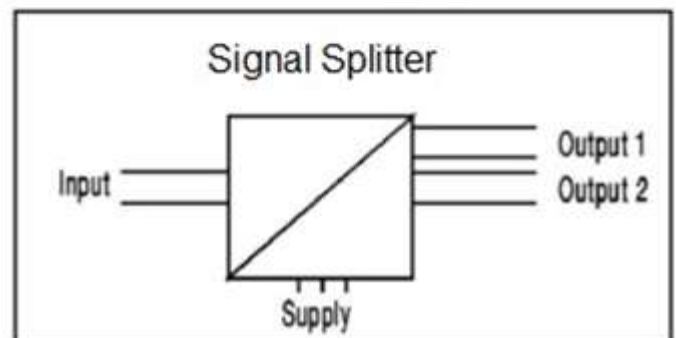
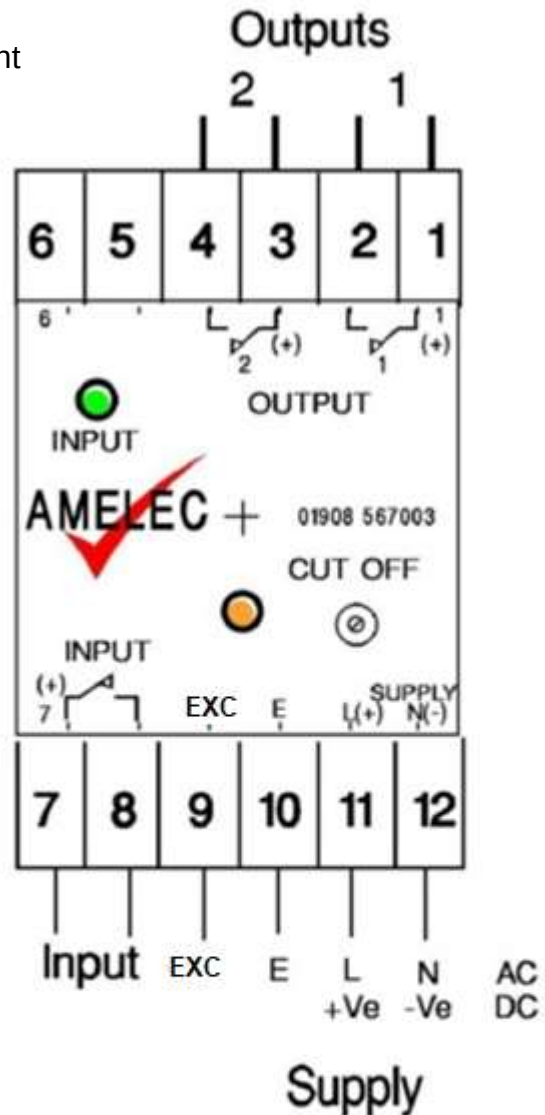
Cut off: 15 turn blind set potentiometer to set input threshold.

#### Mounting

Din Rail (TS35) or Surface (by Corner Fixing holes)

#### Dimensions

50w x 75h x 110d mm



Tel: 01908-567003 Email: [sales@amelec-uk.com](mailto:sales@amelec-uk.com) Visit: [www.amelec-uk.com](http://www.amelec-uk.com) Fax: 01908-566735

**AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ.**