

ADC355X-2 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 ±20%
240Vac ±20%
24Vdc ±10%
48Vdc ±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 10V @3mA)
 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
 ('K' option enclosure = 182d mm)

