

ADC355 Pulse Repeater / Isolator

- Suitable for SIL 1, 2 & 3 rated (EN 61508-2) safety loop applications
- 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 10V @3mA)
Voltage pulses from 5V to 200V.
Current from 100uA
(NAMUR/AC/NPN/PNP/TTL/OPEN COLLECTOR/RELAY)

Output Repeat

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/Supply
*(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)

