

STORK 4002ALM

Model: 4002ALM

Universal Trip Amplifier

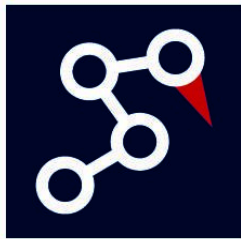


Description:

The 4002ALM-6 trip-amplifier can accept a wide range of inputs including 4-20mA, thermocouple, RTD and voltage types. The unit can have up to two relay outputs and each can operate as a high or low trip. The unit also produces an isolated high level output. The relay outputs are single pole change-over relays with mains voltage rating. Each trip can be configured so that the alarm condition can be above or below the setpoint. The relays can be energised or de-energised in the alarm condition, satisfying fail-safe and non-fail safe applications. In addition the alarm LED's can be selected to light when the relay is either on or off. The input stage is isolated from the output and power supply and the inputs can be user-reconfigured for several different ranges if specified at point of order. In addition there is an optional isolated transmitter supply of 24Vdc, suitable for exciting most standard transmitters. IN addition numerous functions can be selected using the built-in menus including, latching functions, delay on or delay off and an alarm delay on power up

Product Highlights:

- Wide Range of User Configurable Inputs
- Configurable Trip Action and Fail-safe Mode
- Isolated Re-Transmission
- Isolated Input Stage and Isolated Transmitter Supply
- LED display of Input, Setpoints and Configuration



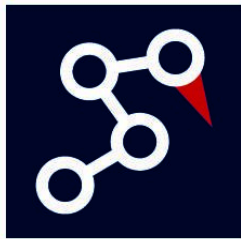
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Specification:

Stork 4002ALM				
Parameter	Min	Typ	Max	Comments
Supply Voltage	16V	24V	30V	Options: 24Vdc
Supply Current	24mA		110mA	24V Supply, (Max if both relays energised)
Input Impedance (Volt)		1MΩ		
Input Impedance (mA)		15Ω		
Volt drop (mA input)		3V		At 20mA input on 0-20mA range
Temp Coefficient			±100ppm/°C	
Relay Response Time		10ms		Selectable fast/normal response
Operating Ambient	0°C		55°C	
Relative Humidity	0%		90%	
Isolation Voltage	1kV			
Surge Voltage	2.5kV for 50µs		Transient of 10kV/µs	

*notes - Setpoints are configured on the LED display on the front panel. H/H,H/L, L/H, LL, fail-safe, non-fail-safe and hysteresis options are set using the display. The process input level is shown on the 4 digit LED Display Figures based on 24Vdc supply, 20°C ambient

Installation Data	
Mounting	DIN Rail TS35
Orientation	Any
Connections	Screw Clamp with pressure plate
Conductor Size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx. 140g



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Ordering Information	
Please Supply:	
Part Number	S4002ALM
Input Type	e.g mA, Volt, T/C, RTD
Input Range	e.g 4-20, 0-10, 0-500 C
Trip Action 1	e.g RLY1>SP1<LED1
Trip Action 2	e.g RLY2LED2
Power Supply	e.g 24Vdc, 240Vac