

## DESCRIPTION

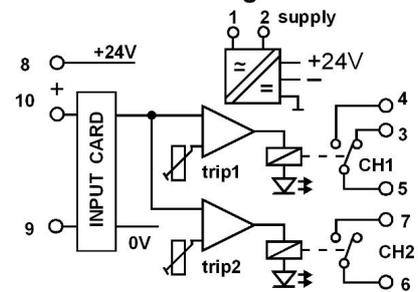
The BDTA137 is suitable for all standard process signals and all common types of sensors, featuring two independently adjustable trip points with true relay contact outputs. The standard Dual Trip Alarm will accept DC voltage or current input signals directly (0.1V up to 2kV, 0.1mA up to 2A). Low level sensor or AC input signals require an optional input conditioning card, which is factory fitted. Special requirements for input response time variation can be accommodated using the customised response option. Other options such as extreme low input load (25Ω at 20mA) can also be manufactured. The trip circuits are operated directly from the pre-conditioned input circuit. Trip status is indicated by red LED's. The action of trip operation, e.g. high or low alarm is internally selectable by coding plugs. Both relay contact outputs can also be configured internally to be normally open or normally closed. Dead band is adjustable from 0.5 to 30% via the front accessible trim pots. Various power supply choices are available ranging from 240Vac down to 8Vdc. All supply models contain a dual output for power isolation. Surge protection for power supply and input is standard with all BASI modules.



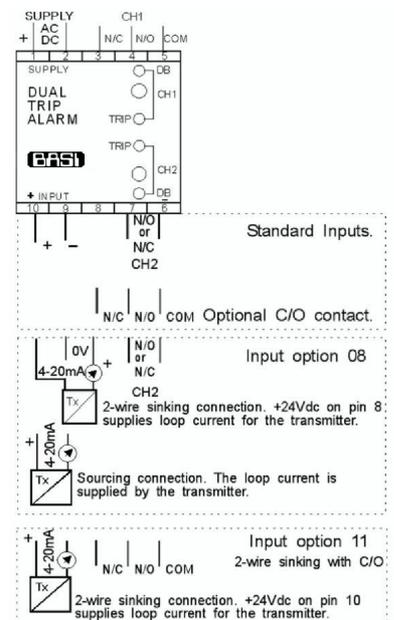
## General Specifications

Size:	52 W x 70 H x 110 D (mm).
Housing material:	ABS.
Mounting:	DIN-Rail, gear plate.
Termination:	Screw terminals on front Terminal covers standard.
Weight:	0.300 kg.
Protection class:	IP40.
Operating temperature range:	-10...+60°C.
Storage temperature range:	-20...+70°C.
Repeatability:	0.1% of range.
Temperature drift of trip-point:	0.01% / °C.
Relay contact:	Change-over and N/O or N/C 8A/250V resistive 3.5A/250V inductive.
Contact isolation:	2kV.
Auxiliary DC supply:	24Vdc, 25mA max.
Dead band:	0.5% to 30%
Power requirements:	3W.
Electromagnetic compatibility:	CE EN 50081-1, EN 61010-1

## Block Diagram



## Connections



For input / output combinations refer to TYPE NO. DESIGNATION overleaf.

