

SDA/DDA2000-744 Single/Dual Difference Alarm

The SDA/DDA2000-744 Single/Dual Difference Alarm replaces the obsolete Bailey Type 744 single/dual difference alarm while retaining the functions of the Bailey module.

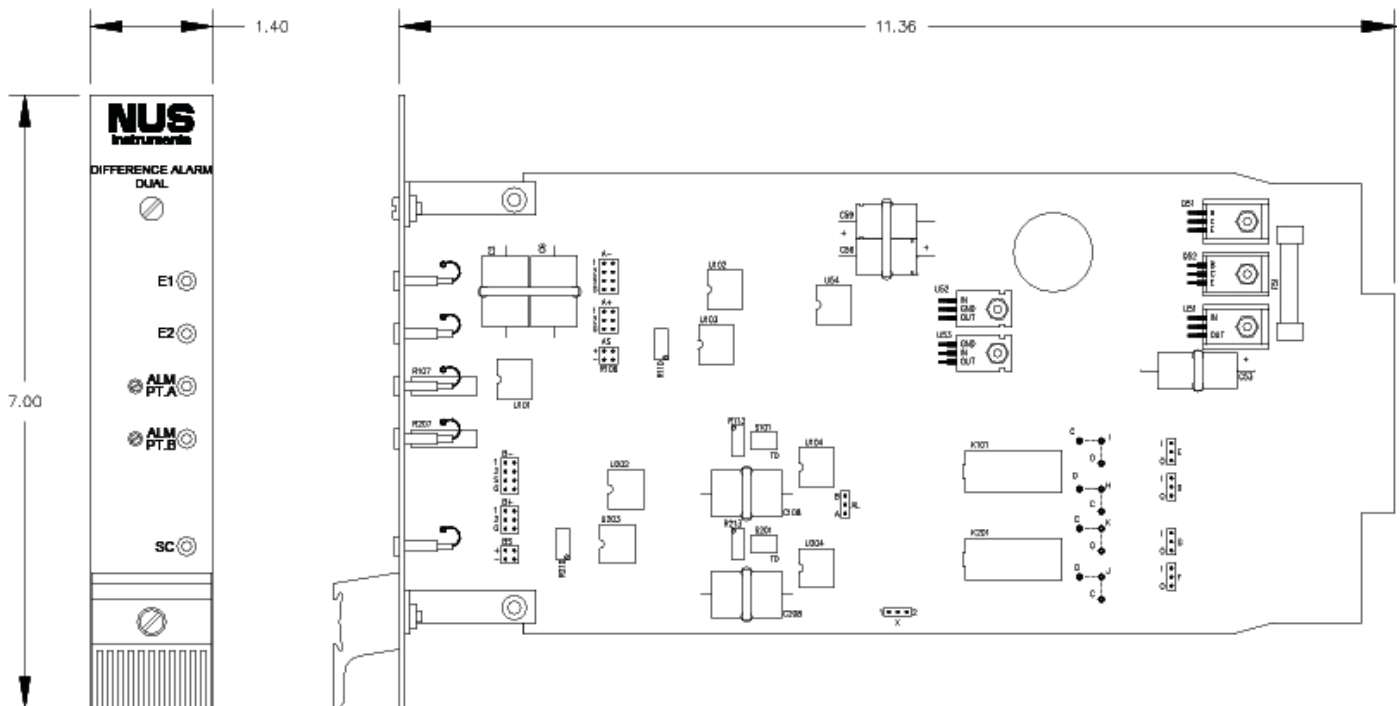
The SDA2000-744 Single Difference Alarm can perform one of ten alarm functions using one or two input signals and an alarm point setting.

The DDA2000-744 Dual Difference Alarm contains two alarms, each capable of performing one of ten alarm functions identical to those in the single alarm. Properly-set jumpers allow alarm input to be compared to the alarm point setting as required by the alarm function.

Comparison is made in a voltage sensitive, solid-state comparator. In an alarm state this comparator de-energizes an integral electro-mechanical relay. Alarm point settings are adjustable from the front panel and cover a range from 0 V to over 5 V



SDA/DDA2000-744



NUSI 2000 Series

Single/Dual Difference Alarm

SPECIFICATIONS

Input Signal:	1 V to 5 Vdc. Input resistance exceeds 1 M Ω –4 V to + 4 Vdc. Input resistance exceeds 1 M Ω
Alarm Point:	Adjustable, 0 to 5 Vdc
Deadband Adjust:	< 0.5% to > 10% of span, (0.02 V to 0.4 Vdc)
Response Time Constant:	< 100 milliseconds, non-delayed mode < 0.25 seconds to > 5 seconds, delayed mode
Relay Type:	PC board mounted relay, 2 sets of Form A or Form B contacts per alarm channel with RC arc suppressor
Relay Contact Rating:	4 A, 120 V ac, or 3 A, 30 Vdc, non-inductive
Accuracy:	24 Vdc input, 80 °F, \pm 0.5% of span
Power Supply Voltage:	Single Difference Alarm: 0.125 A @ 24 V \pm 2 Vdc (22 V to 28 Vdc operative limits) Dual Difference Alarm: 0.150 A @ 24 V \pm 2 Vdc (22 V to 28 Vdc operative limits)
Operating Influence:	Supply Voltage: 24 V \pm 2 Vdc: (\pm 0.05%)
Ambient Temperature:	40 °F to 120 °F (5 °C to 49 °C) (normal operation) 0 °F to 140 °F (–18 °C to 60 °C) (operative limits) 0 °F to 120 °F (–18 °C to 49 °C) (storage)
EMI/RFI Protection:	EPRI report TR-102323, Rev. 2
Dimensions:	11.4 in x 7 in x 11.5 in
Weight:	Rack-mounted: < 1 lb
Mounting:	Bailey Type 761 Rack Unit
Legend:	Legend plate holder is integral with the withdrawal handle

For more information please request a
Single/Dual Difference Alarm Operation & Maintenance Manual.

CONTACT INFORMATION:

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