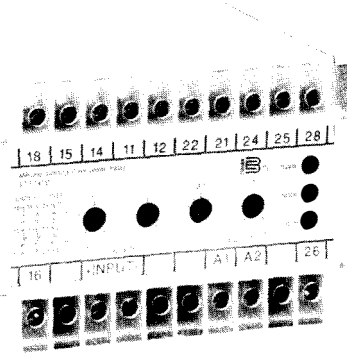


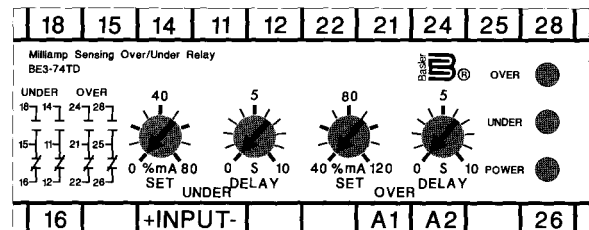
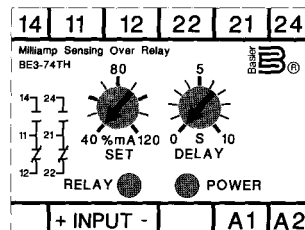
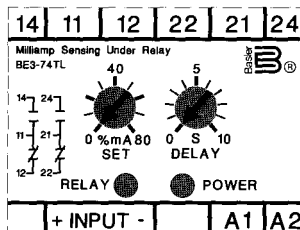


BE3-74TL, BE3-74TH, BE3-74TD MILLIAMPS SENSING ALARM RELAYS

APPLICATION:

BE3-74T dc Milliamp sensing alarm relays have endless applications and are designed to take inputs from transducers and transmitters, providing a relay operation when the transducer signal deviates outside the preset limit. A typical application is to control power, using an Active Power transducer with 4-20mA signal fed to a BE3-74TH. For example, if the output goes above a preset limit of 80%, the BE3-74TH relay will energize, setting off an alarm or shutting down a process. BE3 Milliamp sensing alarm relays energize when the input signal exceeds the trip point unless the option of de-energize on trip is requested. A red LED indicates the state of the relay, and a green LED indicates the condition of the power supply.

CASE CONNECTIONS:



GENERAL SPECIFICATIONS:

Input

Rated value nominal current: 1mA or 4-20mA
Voltage drop: 1 volt
Overload: 2 times nominal current continuous, 10 times nominal current for 3 seconds

Setpoint

Range over: Adjustable 40% to 120%
Range under: Adjustable 0% to 80%
Differential: Fixed at 5%
Repeatability: Better than 0.5% of full span
Time delay: Adjustable 0 to 10 sec
Operating time: 200 ms, typical

Power Supply

AC voltage: 120V, 240V, 380V, 480V
 $\pm 25\%$, 45-65Hz, 2VA
DC voltage: 24 volt ($\pm 20\%$ /galvanically isolated), less than 3 watt

Weight and Case Size

Single units: Approx. 0.88 lbs. (0.4kg)
2.17 in. (55mm) case
Combined units: Approx. 1.32 lbs. (0.6kg)
3.93 in. (100mm) case

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ULO-1
3-98

PERFORMANCE SPECIFICATIONS:

Environmental

Operating temperature: 0°C to +60°C (32°F to 140°F)
 Functional temperature: -25°C to +70°C (-13°F to 158°F)
 Storage temperature: -40°C to +70°C (-40°F to 158°F)
 Temperature coefficient: 0.03% per °C (200ppm/°C)
 Relative humidity: 95% noncondensing

Agency Approvals

UL recognized, CSA certified, C.E. compliant

Insulation

Test voltage: 4kV RMS 50Hz 1min between
 Input, Case, and Auxiliary
 Impulse test: EMC 5kV transient, complies
 with IEC 801, EN 55020
 HF interference test: EHF 2.5kV 1MHz, complies
 with IEC 255-4
 Protection class: II, complies with IEC 348

Applied Standards

General: IEC 144, BS 5420,
 VDE/VDI 0435, IEC 947,
 EN 60947

Safety:

Surge withstand:

RFI:

BS EN 61010, DIN 57411,
 VDE 0411, ANSI C37
 IEC 801, EN 55020,
 ANSI C37-90a
 RFI degree N, complies with
 VDE 0875

Relay Output

Relay type: D.P.D.T.
 AC Rating: 250V, 5A, nonresistive, 1200VA
 DC Rating: 125V, 1A, resistive, 120 watts
 Mechanical Life: 5 million operations

Enclosure

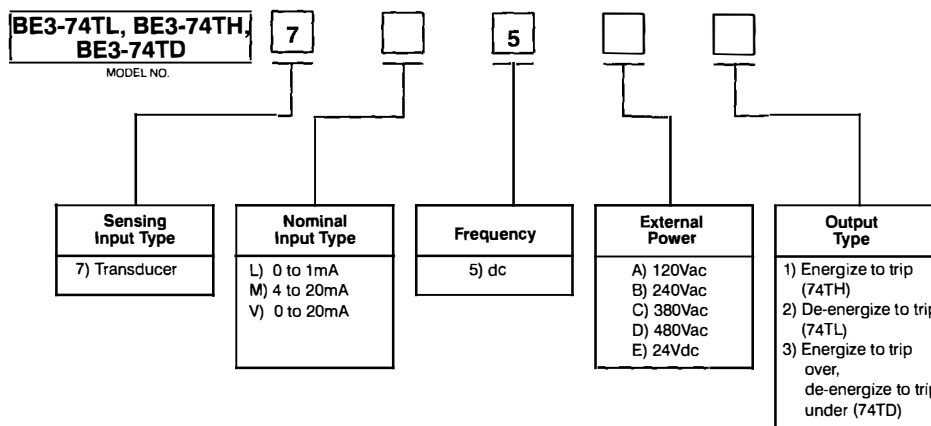
Mounting: Snap onto DIN rail 1.38in. x
 .29in. (35mmx7.5mm),
 complies with DIN-EN 50022,
 BS 5584
 Any position
 Enclosure code: Case IP 50, terminals IP 30
 Material: Complies with UL 94 VO

HOW TO ORDER:

Designate the Model Number followed by the complete Style Number.

Complete the Style Number by selecting one feature from each column of the Style Identification Chart and entering its designation, letter or number, in the appropriate square. Note: The description of a complete relay must include both Model Number and Style Number.

STYLE IDENTIFICATION CHART:



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