

- 11-pin box for DIN-rail mounting
- Bright 3-digit 10 mm LED display
- Input 0-300VAC
- Up to 2 alarm relays available with pulsed output
- Fully programmable parameters



FUNCTION

BDTA7835 is a programmable process trip alarm for DIN-rail mounting. Equipped with a bright 3-digit LED display, this model is especially suitable for measuring and controlling various technological values from -199 to 999 with resolution of up to 1000 points. The device can have up to 2 programmable relays providing on/off control/alarm with or without pulse mode. BDTA7835 accepts input AC voltage signals. The display-to-input correspondence, decimal point position, measurement offset value as well as many other parameters are fully programmable. Thanks to its excellent price-to-performance ratio, BDTA7835 is an exceptionally widely applicable device.

SPECIFICATIONS GENERAL

Construction : Plug-in to standard 11-pole relay socket
Wiring : Screw terminals on base socket
Housing material : Plastic
Isolation : Input to output to supply
Set point : -199 to 999 programmable

INPUT

Voltage : 0 – 300VAC (-199 to 999 programmable)
Decimal point : Programmable

OUTPUT

Relay : 5A/250V w/ NO/NC or NO contact
 NO for the second relay
MOS gate : 0,1A/60V optically isolated
SSR : 1A/250VAC
Output extern SSR: 12...30 VDC, 30 mA
Control algorithm : ON/OFF, Pulse mode
Alarm parameters : Programmable

INSTALLATION

Supply : 230, 115, 24VAC ±10% 48-62Hz
 12-24VDC/AC ±10%
Consumption : Max 1,5VA
Operating temp : -10 to +65°C (-4 to +140°F)
Operating humidity : 80% RH max (non-condensing)
Mounting : In 11-pin socket or on DIN rail
Protection : IP44
Size : W35 x H78 x D91mm with socket
Weight : 180g

PERFORMANCE (% of span)

Measurement error : < 0.3%
Temperature drift : ±0.02% from span for 1°C
Digital display : 3 digit LED, height 10mm
LED : 2 LED for relay status
Keyboard : 3 lockable membrane keys
Dielectric strength : 4000VAC @ 1 minute
Isolation : Input to output to supply
 1500VDC/AC



Observed authority requirements : CE-marking
Electromagnetic compatibility: Complies with
 EN 61000-4-2,4,5,6,11, 73/23/EEC, 89/336/EEC

ORDERING INFORMATION

Specify code numbers and variables

BDTA7835

SUPPLY

X Specify
 A 230VAC
 B 115VAC
 Q 12-24VAC/DC
 R 24VAC
 E 9-12VAC
 w/extern transf.

OUTPUT

X None
 C One Relay
 CC Two Relay #
 D SSR
 M MOS gate
 J Extern SSR

NO for the second relay