

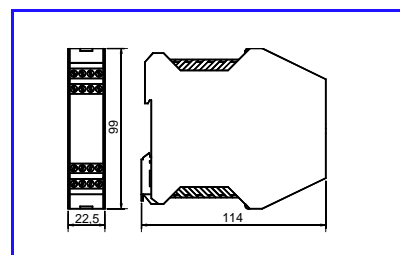
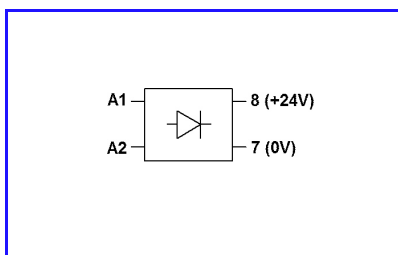
The stabilised compact power supply unit NTC1 is excellently qualified to be used as a power supply unit for small components of the control technique, e.g. proximity switches, light barriers or sensors. The output voltage is durable short-circuit proof.



- Wide input voltage range AC 85-264V, DC 110-260V
- Output DC24V / 450mA stabilised
- Compact DIN-housing, width just 25mm
- LEDs for secondary voltage and relays
- Short-circuit-proof output voltage

## Structure and application

The input voltage range of AC85-264V or DC110-264V makes possible the employment of only one variant for all usual AC/DC operation voltages. The max. permanent output current of NTC1 is 550mA of an ambient temperature of 55°C. The stabilised DC24V output voltage is galvanically separate from the input voltage.



## Overload and temperature rise protection

The voltage output 7-8 is permanently short-circuit-proof. In case of overload the output 7-8 switches off and is automatically ready for use again after removal of the overload. Same applies to thermal overloading. Furthermore NTC1 is varistor-protection-wired against overvoltage at the input side. Thus the equipment is almost indestructible with normal installation.

## Installation

The PE terminal must be connected with protective ground for EMC reasons. A parallel connection of the output voltages of several NTC1 is not allowed, probably however a series connection. The ventilation slots at the housing's upper and lower surface must be kept free.

Specifications	
Standards	EN60950, DIN/VDE0160
Operating voltage (input)	AC 85-264V 47-440Hz, DC 110-264V
Power consumption	approx. 15VA
LEDs	yellow: stand by / output voltage
Voltage output	DC24V stabilized permanently short-circuit-proof; 23,0..25,0V
Output current	$I_n = 450\text{mA}$ , max. 550mA at $T = 55^\circ\text{C}$
Residual ripple	max. 260mV
Dielectric strength	Input/Output: AC 3kV, Input/PE: AC 2kV
Protection	IP20
Temperature range	$-10^\circ\text{C}$ bis $+55^\circ\text{C}$
Weight	approx. 140g
Mounting	DIN-rail mounting DIN EN 50022-35

Order-No	Type
471250	NTC1 AC 85-264V / DC24V