



Model Number

DA6-IU-2K-C

Process control and indication equipment

Features

- 2 adjustable trip values
- 2 relay outputs
- Operation via keypad
- Programmable characteristics
- Resetting the outputs, automatic, manual or with external signal
- Connection via plug-in screw terminals
- Auxiliary power output for sensors
- Protection degree IP65 in accordance with DIN EN 60529 (front only)
- Shock resistance in accordance with DIN EN 60068-2-27
- Vibration resistance in accordance with DIN EN 60068-2-6
- System hum suppression

Technical data

General specifications

Pre-selection	2-fold
Data storage	> 10 years, EEPROM
Programming	keypad-driven menu

Indicators/operating means

Type	14-segment LED display, red
Number of digits	6
Display value	digit height 14 mm
Key interlock	with "high"-level at terminal "KEY"
Display interval	-199999 ... 999999 with suppression of leading zeros
Decimal point	freely adjustable
Resolution	15 Bit
Scale factor	via characteristic curve with up to 12 value pairs
Reset	manually or external

Electrical specifications

Fusing	T 0.4 A
Operating voltage	U _B 10 ... 30 V DC
Protection class	IP65 (front)
Power consumption	P ₀ 3.8 W

Input

Impedance	> 1 MΩ for voltage measurement 22 Ω + PTC 25 Ω for current measurement
Analog voltage input	0 ... 10 V / 2 ... 10 V DC, -10 ... 10 V DC
Analog current input	0 ... 20 mA / 4 ... 20 mA

Output

Relay	changeover contact
Switching voltage	max. 250 V AC / 125 V DC min. 5 V AC / 5 V DC
Switching current	max. 5 A AC / 5 A DC min. 10 mA DC
Switching power	max. 1250 VA / 150 W
Sensor supply	15 V DC ± 1 %, 25 mA

Ambient conditions

Ambient temperature	-10 ... 50 °C (14 ... 122 °F)
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)
Relative humidity	≤ 80 % (noncondensing)

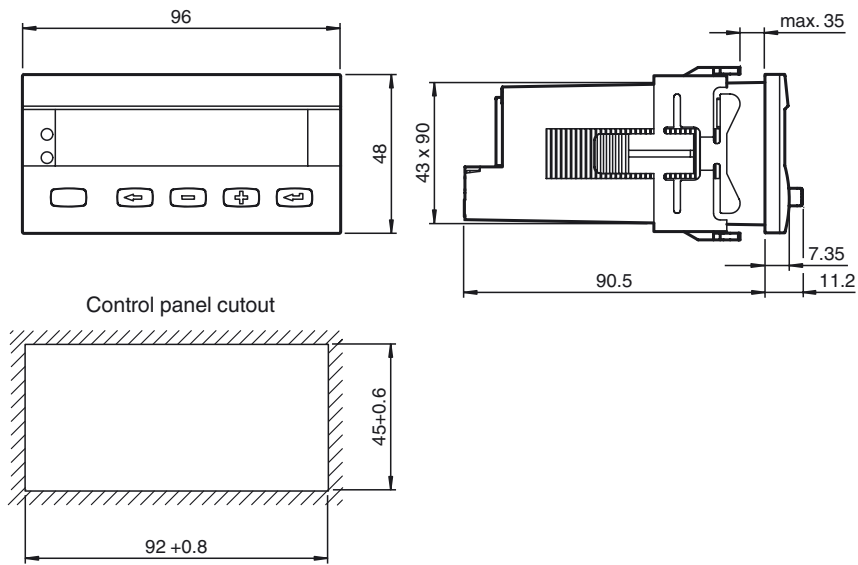
Mechanical specifications

Connection	8-pin and 9-pin connectors with screw terminals
Mass	180 g
Dimensions	96 mm x 48 mm x 102 mm
Mounting	mounting frame with latch fastener

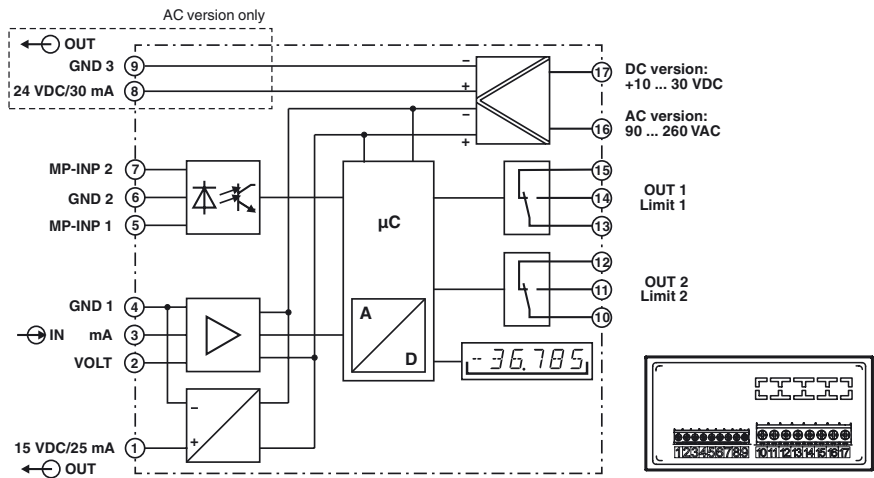
Compliance with standards and directives

Directive conformity	
EMC Directive 2004/108/EC	EN 61000-6-2:2006 DIN EN 55011:2009, Class B
Standard conformity	
Electrical isolation	EN 61010-1:2010
Shock and impact resistance	EN 60068-2-27:2009 EN 60068-2-29:1995
Vibration resistance	EN 60068-2-6:2008

Dimensions



Electrical connection



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