



Model Number

DA6-IU-2K-V

Process control and indication equipment

Features

- 2 adjustable trip values
- 2 relay outputs
- Operation via keypad
- Characteristic programmable via 12 interpolation points
- Resetting the outputs, automatic, manual or with external signal
- Connection via plug-in screw terminals
- Auxiliary power output for sensors
- Degree of protection IP65 in accordance with DIN EN 60529 (front only)
- 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 0.1 A |
| Operating voltage | U _B 90 ... 260 V AC |
| Power consumption | P ₀ 9 VA |

Input

| | |
|----------------------|--|
| Impedance | > 1 MΩ for voltage measurement < 50 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 | 24 V DC ± 15 %, 30 mA 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) |

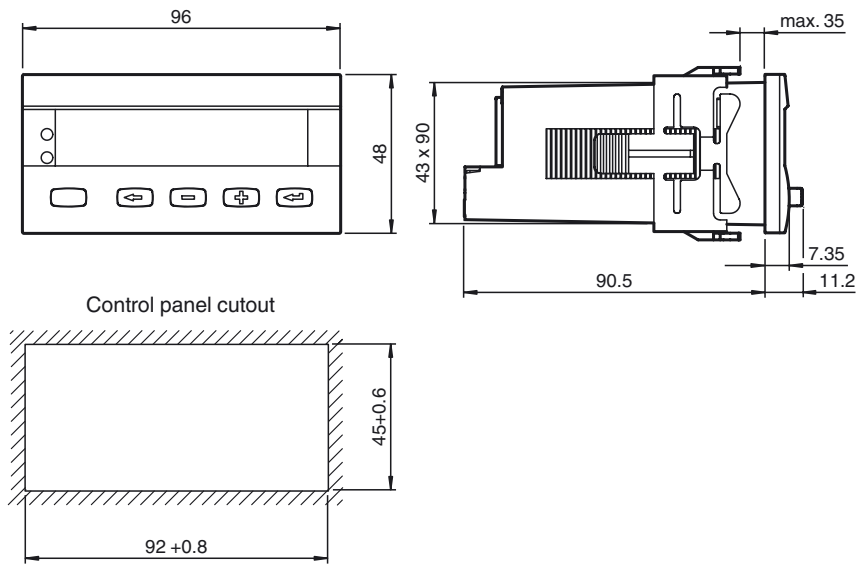
Mechanical specifications

| | |
|----------------------|---|
| Degree of protection | IP65 (front) |
| 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 |

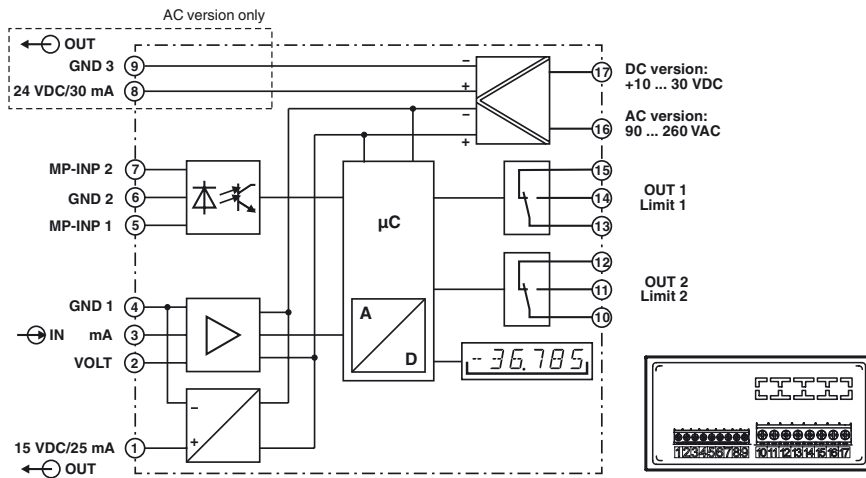
Compliance with standards and directives

| | |
|-----------------------------|--|
| Directive conformity | |
| EMC Directive 2004/108/EC | EN 61000-6-2:2006 (With shielded signal and control lines) DIN EN 55011:2009, Class B |
| Standard conformity | |
| Electrical isolation | EN 61010-1:2010 |
| Degree of protection | EN 60529:1991 + A1:2000 |
| 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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