



### Model Number

**DA6-IU-2K-C**

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)
- 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<br>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 M $\Omega$ for voltage measurement<br>22 $\Omega$ + PTC 25 $\Omega$ for current measurement |
| Analog voltage input | 0 ... 10 V / 2 ... 10 V DC,<br>-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<br>min. 5 V AC / 5 V DC |
| Switching current | max. 5 A AC / 5 A DC<br>min. 10 mA DC            |
| Switching power   | max. 1250 VA / 150 W                             |
| Sensor supply     | 15 V DC $\pm$ 1 %, 25 mA                         |

#### Ambient conditions

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

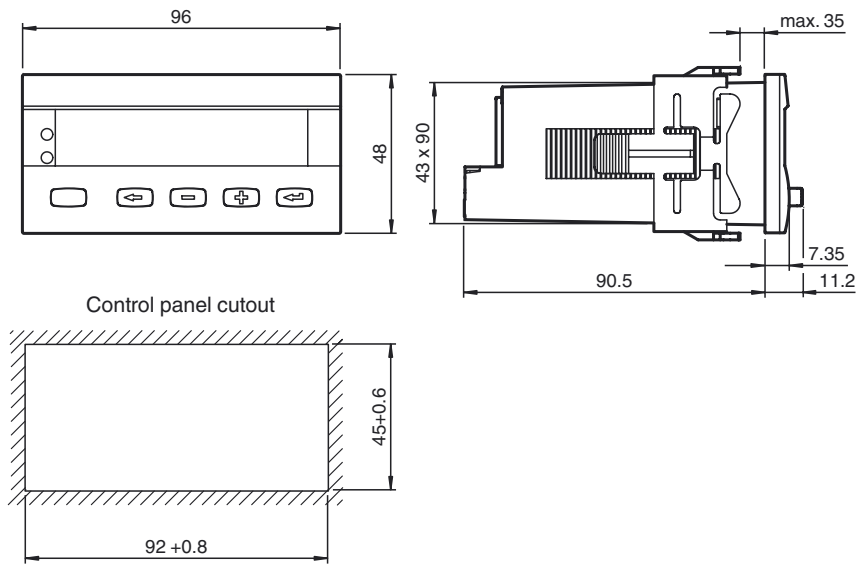
#### Mechanical specifications

|            |   |
|------------|---|
| 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              |

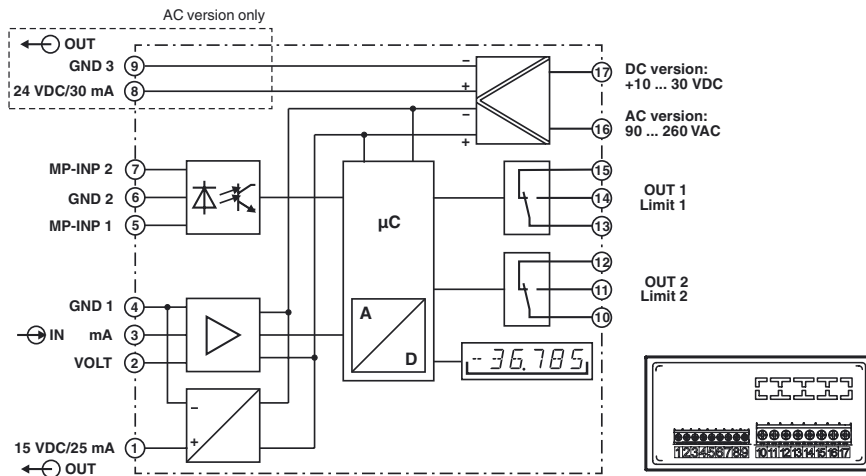
#### Compliance with standards and directives

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

Dimensions



Electrical connection



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