



ALARMS

### FEATURES

- The **DC-96** is a digital instrument conceived to measure voltage and current in DC systems.
- Besides its metering functions, **DC-96** also acts as a current supervisor (Low and High alarms).
- Measurement readings and alarm info can be obtained locally (through a LED display, with 7 segments and 4 digits and alarm indicative LEDs).

### APPLICATIONS

- Automation systems
- Current and Voltage measuring in DC systems
- DC current monitoring (relay output)

### PRODUCT INFO

#### ELECTRICAL PARAMETERS

- DC voltage
- DC current (via shunt)

#### INSTALLATION

- Panel's Door
- Technical support via e-mail, telephone, WhatsApp and YouTube videos

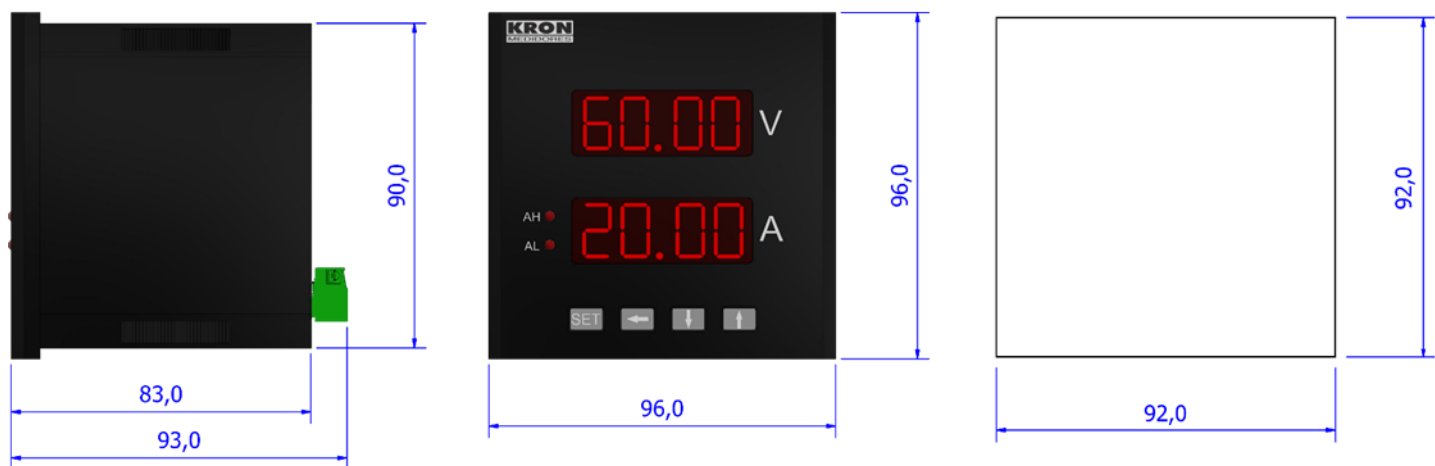
#### CURRENT SUPERVISION (ALARMS)

- **DC-96** incorporates one relay output (NO), activated when certain pre-defined alarm conditions are met, making the automation process easier. For dc current alarm setting, two supervision conditions are available, low and high (from 0,1 to 120% of the nominal current).

<b>ELECTRICAL GREATNESSES</b>	<i>Voltage (Measurement Range)</i>	Nominal: 60 Vdc   Measurement Range: 2 to 60Vdc Overload: 1,1 x Vnominal
	<i>Current (Measurement Range)</i>	Nominal: 60 mVdc   Measurement Range: 1 to 60mVdc Overload: 1,1 x Vnominal
<b>POWER SUPPLY</b>	<i>Voltage – Working Range</i>	48Vdc (90 to 110% of the nominal value)
	<i>Internal Consumption</i>	< 5VA
<b>ACCURACY</b> at 25°C (77 °F), referred to the full scale	<i>Current and Voltage</i>	1% + 2 digits
	<b>ALARM RELAY (NO)</b>	<i>Maximum Voltage</i>
<i>Maximum Current</i>		1Adc / 0,3Adc / 0,3Aac
<i>Configurable Supervision Conditions (Alarms)</i>		Current Low (minimum value): 0,1 % Current High (maximum value): 120%
<b>DISPLAY</b>	<i>LED(red)</i>	High-bright LED Display, 7 segments , 4 digits x 2 rows
<b>CASE</b>	<i>Material</i>	Thermoplastic
	<i>Mass</i>	0.2Kg
	<i>Protection Degree</i>	IP-40
<b>ENVIRONMENTAL CONDITIONS</b>	<i>Temperature</i>	Operation: -10 a 50°C (14 to 122°F) Storage: -25 to 70°C (-13 to 158°C)
	<i>Relative Air Humidity</i>	Maximum of 85% (without condensation)

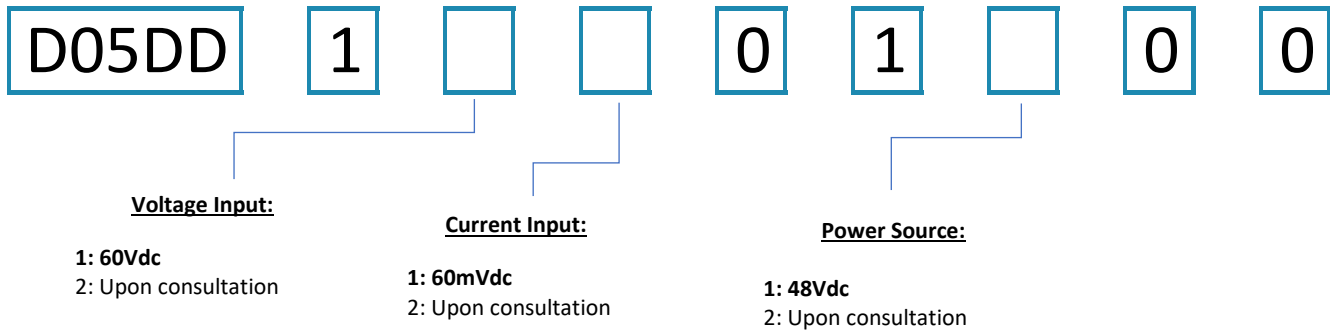
- For further information, see User Manual

## DIMENSIONS



(Panel Cutout)

### How to Specify:



The bold signaled items indicate the standard options, which have higher stock availability.

#### Standard Model: (Example)

**D05DD 1 1 1 0 1 1 0 0**

DC-96 {Voltage Input: 60Vdc} {Current Input: 60mVdc} {Power Source: 48Vdc}

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For correct utilization of the product, the User Manual must be consulted before its installation or operation.  
Some items presented here may be optional, being necessary the correct product specification by their code.

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