Controller Instrument
Kontrol 40 SERIES



KONTROL 40

Kontrol 40 is a range of single-parameter controllers designed to keep a chemical parameter of a liquid under control between Conductivity, pH and Redox (in addition to Temperature), and to activate digital and analog outputs based on the value of this parameter. The range is designed to ensure maximum safety, ease of use, and ease of installation for the end use.

Multiple enclosures

The Kontrol 40 range is made available in four different shapes/formats:

- For mounting on DIN BAR - IP40
- 48 x 96 mm format for panel mounting - IP40
- 96 x 96 mm format for panel mounting - Front IP65 / Rear IP20
- 144 x 144 mm format in box for wall mounting - IP65

Analogue & Relay Outputs

All models have two normally open relays that can be managed and activated when the read value exceeds one of two independent thresholds, as well as a programmable 4÷20mA analogue output.

Intuitive menu

A self-explanatory and easy-to-read menu guides the operator step by step in configuring the device, so making programming quick and simple. A guided calibration routine helps the user in the maintenance of the probe and in setting the operating parameters

Statistical data

A statistical menu displays the number of activations performed by the two relays, as well as the encountered number of alarm conditions, and the number of pause signals received (digital input signal).

Control panel

The advanced menu allows the user to carry out self-diagnostics and display the status of relays, the value of the 4÷20mA output, the calibration parameters and the firmware version.

APPLICATIONS

- Wastewater
- Legionella disinfection
- Sea water
- Crate wash
- CIP
- Dioxide station
- Swimming pool
- Drinking water
- Cooling towers
- Boilers
- Reverse osmosis
- Galvanic process
- Irrigation

PRODUCTS KEY

K	**KONTROL INSTRUMENT**							
	040	Kontrol 40 Series						
		MISURES						
	CD	Conductivity						
	PR	pH/Rx						
			ENCLOSURE					
			D	Box type DIN - RAIL				
			Q	Box type 48x96 (Panel)				
			P	Box type 96X96 (Panel IP 65 only Frontal Panel)				
			W	Box type 144X144 (Wall IP65)				
					POWER SUPPLY			
					H	24/115/230 VAC 50/60 Hz		
						0	**FREE/CUSTOM**	
							0	**FREE/CUSTOM**
								0 **FREE/CUSTOM**
								0 **FREE/CUSTOM**
K	**040**	**CD**	**D**	**H**	**0**	**0**	**0**	**0**

PRODUCT LINE

	Ph/ORP	conductivity
K040CD		•
K040PR	•	

TECHNICAL CHARACTERISTICS

Graphic display and Keypad
2-line, 16 character Alphanumeric Display with backlight
Shows real-time value of the measure, Temperature and Relay status.
Four control keys for menus navigation

Power supply:
24/115/230 VAC 50/60 Hz

Measure Input - Galvanic insulated
High measuring resolution with probe quality control. Galvanic insulated input

4÷20mA Output - Galvanic insulated
One independent programmable 4÷20mA Output. Galvanic Insulated output

Relay Outputs
Two independent 5A dry contact relays, related to two independent set points.
Software-set alarm functions. Routine function settings : ON/OFF, Timed or proportional

Digital Pause Input
One digital ON/OFF input to disable all controller output functions.
It can also be used as a level input, connected to the OPEN/CLOSE contact of a level probe.

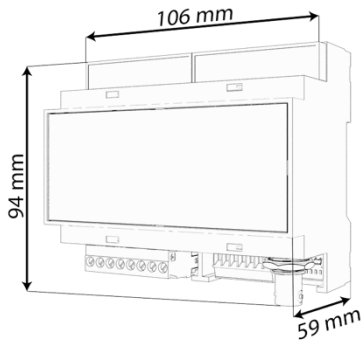
MEASURE CHARACTERISTICS

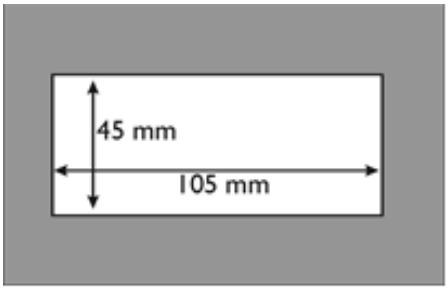
Galvanic insulated measures:

Measure	Range	Precision	Resolution
pH	0 ÷ 14,00 pH	2% FS	0.01 Ph
ORP	±1500 mV	3% FS	1 mV
Conductivity	0÷200 mS	1% FS	
Temperature	0÷100 °C	CD version: PT100: ± 0.5°C / ±0,9°F PR version: PT100: ± 0.8°C / ±1,4°F	±1°C (°F)

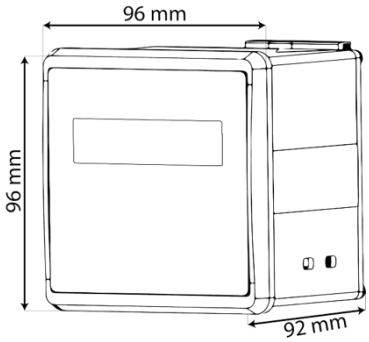
DIMENSIONS

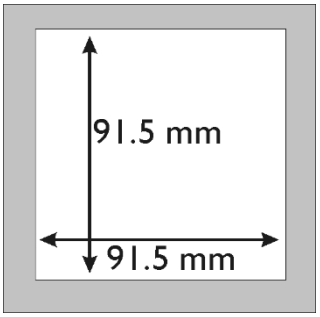
106 x 94 x 59 Din Rail IP40



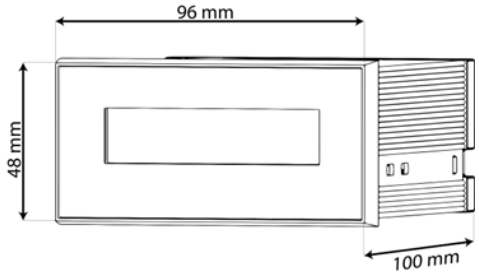


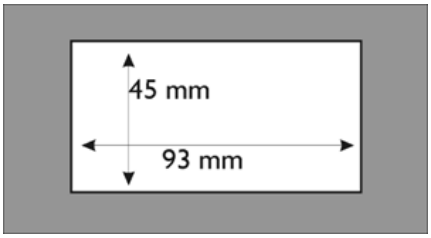
96 x 96 x 92 IP65 Panel





48 x 96 x 100 Panel version IP40





144 x 144 x90 Wall mounting IP65

