

DIGITAL DISPLAY

for Industry Applications



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Series WAY-AX

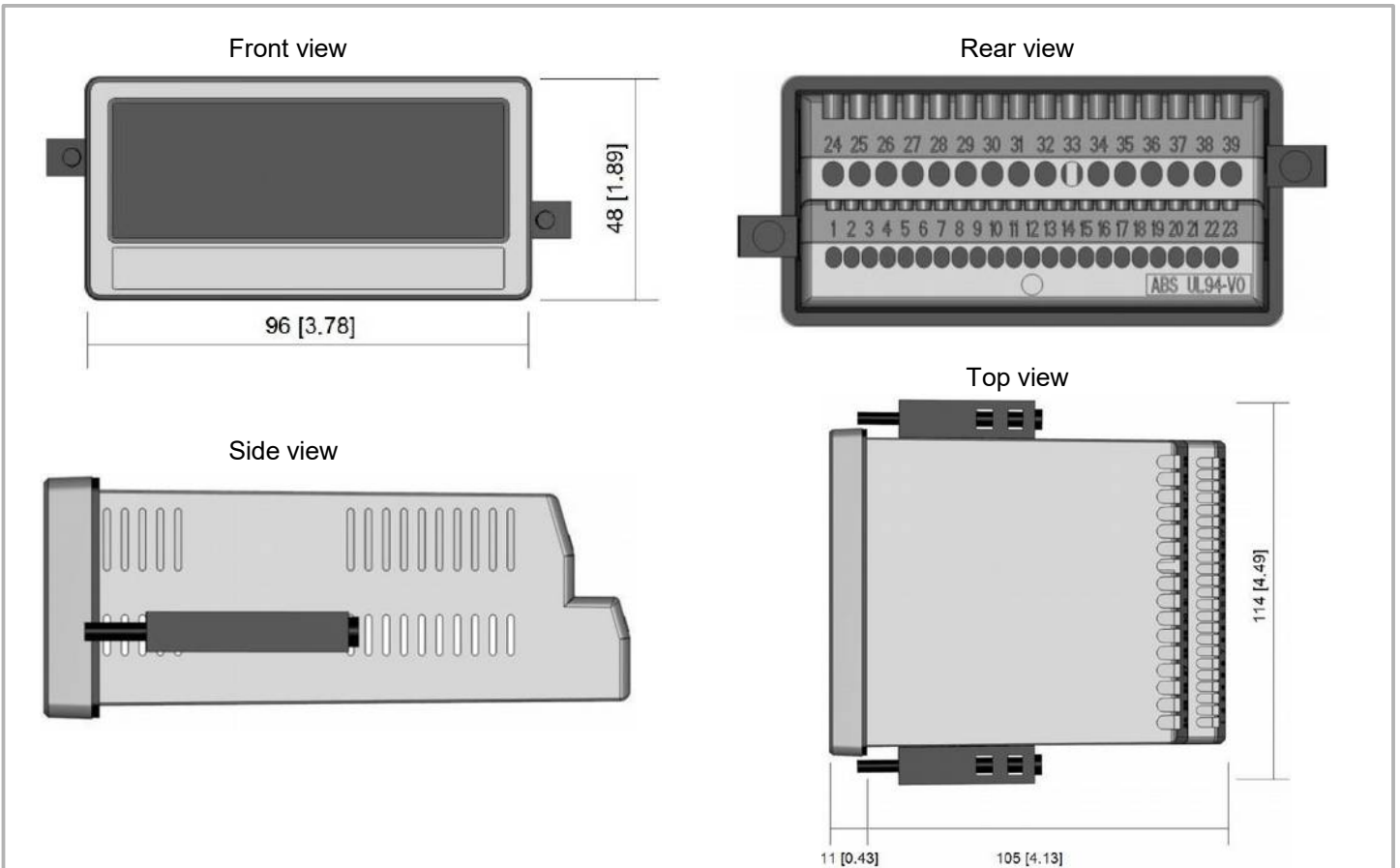
Key-Features:

- WAY-AX-S: *Basic unit with 2 analog inputs (16 Bit), 3 control inputs*
- WAY-AX-CO: *display with 4 control outputs, RS232 interface*
- WAY-AX-AO: *display with serial RS232 interface, 16 bit analog output, 4 control outputs*
- WAY-AX-RL: *2 relay outputs*
- *Option AC for 115...230 VAC supply*

TECHNICAL DATA

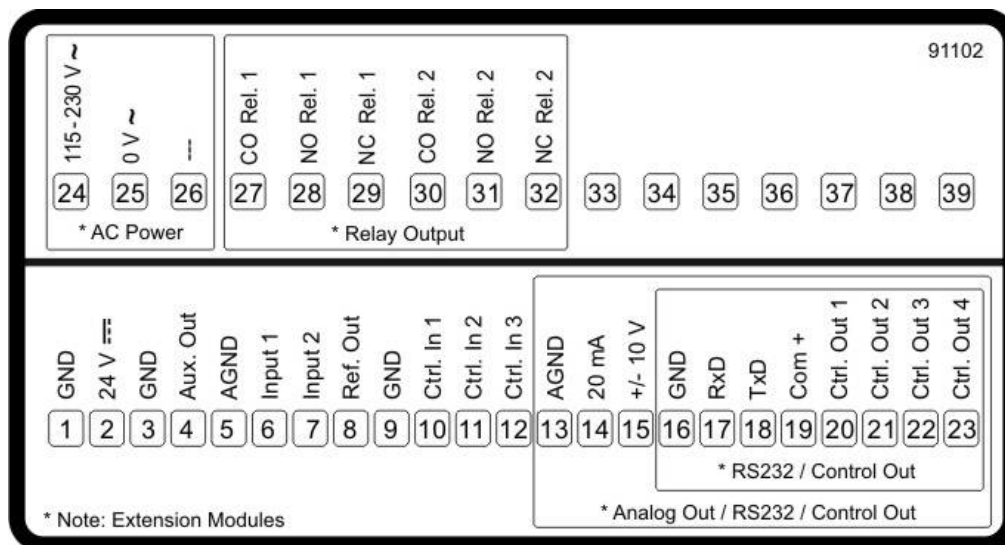
Display	LCD (backlight) touchscreen; 8 digits plus sign (-99999999...99999999); digit height: 13 mm; color: red/green/yellow (switchable)
Panel cut out	standard housing 96 x 48 mm
Connections	screw terminals, 1.5 mm ² / AWG 16
Power supply (DC)	Input voltage: 18...30 VDC; reverse polarity protection; consumption: approx. 100 mA (unloaded); fuse protection: extern: T 0.5 A
Power supply (AC) / Option AC	Input voltage: 115...230 VAC, 50...60 Hz; power consumption: approx. 3 VA (unloaded); fuse protection: extern: T 1.0 A
Encoder supply	DC: approx. 1 V lower than the power supply voltage; max. 250 mA output current AC: approx. 24 VDC (±15%); output current: 150 mA below 45 °C / 80 mA above 45°C
Reference output	Output voltage: 10 V, accuracy: ± 0.1 %, load: max. 10 mA
Analog Inputs	Number: 2; configuration: current or voltage operation, voltage input: -10...+10 (Ri ≈ 50 kOhm), current output: 0 ... 20 mA / 4 ... 20 mA (Ri ≈ 100 Ohm), resolution: 16 bit, accuracy: ± 0,1 %
Control inputs	Number: 3; format: HTL, PNP (Low 0...3 V, High 9...30 V); frequency: max. 10 kHz; load: max. 2 mA / Ri > 15 kOhm / 470 pF
Analog output / Option AO includes option CO	Voltage output: -10...+10 V (max. 2 mA); current output: 0/4...20mA (burden: max. 270 Ohm); resolution: 16 Bit, accuracy: ± 0.1 %
Control outputs / Option AO, CO	Number: 4; format / level: 5...30 V (depends on the COM+ voltage), PNP; output current: max. 200 mA; reaction time: < 1 ms
Relay outputs / Option RL	Number: 2; potential free changovers; AC-switching capacity: max. 250 VAC / 3 A / 750 VA; DC-switching capacity: max. 150 VDC / 2 A / 50 W, switching power: max. 50 W / 250 VA, reaction time: < 5 ms
Serial interface / Option CO / AO	format: RS232; baudrate: 9600, 19200 or 38400 baud
Ambient temperature	Operation: -20°C...+60°C; storage: -25°C...+70°C
Housing	Material: ABS, UL 94 V-0; mounting: panel cut out; dimensions (wxhxd): 96 x 48 x 116 mm, cut out (wxh): 91 x 43 mm; protection class: IP65 (front), IP20 (rear); weight: approx. 200 g
Conformity and standards	EMV 2004/108/EC: EN 61000-6-2, EN 61000-6-3, EN 61000-6-4 LV 2006/95/EC: EN61010-1 RoHS 2011/65/EU: EN50581

TECHNICAL DRAWING



ELECTRICAL CONNECTION

The screw terminals should be tightened with a slotted screwdriver (blade width 2 mm).



ORDER CODE

WAY-AX-S	Process Indicator
WAY-AX-RL	Process Indicator with relay
WAY-AX-AO	Process Indicator with RS232 Interface, analogue output and control outputs
WAY-AX-CO	Process Indicator with RS232 Interface and control outputs
WAY-AX-CO-RL	Process Indicator with RS232 Interface and control outputs and relay
WAY-AX-AO-RL	Process Indicator with RS232 Interface, analogue output, control outputs and relay
WAY-AX-S-AC	Process Indicator with AC supply
WAY-AX-AC-RL	Process Indicator with AC supply and relay
WAY-AX-AC-AO	Process Indicator with AC supply, RS232 Interface, analogue output and control outputs
WAY-AX-AC-CO	Process Indicator with AC supply, RS232 Interface and control outputs
WAY-AX-AC-AO-RL	Process Indicator with AC supply, RS232 Interface, analogue output, control outputs and relay
WAY-AX-AC-CO-RL	Process Indicator with AC supply, RS232 Interface, control outputs and relay

ACCESSORIES

Housing

TG9648	table housing
GEH0IP65	Aluminium housing, IP65

Other

Configuration	Pre-adjustment according to customer specifications
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Subject to change without prior notice.

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