



JK6010A1

JK6010A1 analog transducers are designed to provide solutions for all transmission and isolation problems on A.C current. JK6010A1 transducers are designed in JM Concept unit that can be unplugged from its self short circuiting DIN RAIL base.

Its technology is designed to provide simple and low cost solutions for these measures.



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TECHNICAL CHARACTERISTICS

INPUT CHARACTERISTICS

CURRENT (AC)	0/1A ; 0/5A Input JK6010A1 on internal current transformer Ac current from 45 to 65 Hz
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OUTPUT CHARACTERISTICS

CURRENT OUTPUT	0/20mA 4/20mA
VOLTAGE OUTPUT	0/10V

OTHER CHARACTERISTICS

INPUT

Input current	0/1A ; 0/5A on internal CT
Overload input	10 In during 1s – 2 In permanent
Minimum measurable current	50mA on scale 0/1A – 200mA on scale 0/5A
Input impedance	< 5mΩ

OUTPUT IMPEDANCE

Current output	< 900Ω
Voltage output	> 4.7KΩ

TECHNICAL CHARACTERISTICS

Precision class	< 0.25
Current output residual ripple	< 20μA
Tension output residual ripple	< 20mV
Response time	< 300ms
Thermal drift	< 100ppm

MEASURE TYPE

True RMS

ISOLATION

Power supply / input	4000 Vac - 1mn - 50Hz
Power supply / output	2500 Vac - 1mn - 50Hz
Input / output	4000 Vac - 1mn - 50Hz

AUXILIARY SOURCE

Universal Auxiliary source	20Vdc/370Vdc & 80Vac/256Vac
Option	20Vac / 60Vac

CONSUMPTION

Maximal consumption	< 3VA
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TEMPERATURE

Operating temperature	-10°C/+60°C
Storage temperature	-25°C/+80°C

PROTECTION

Protection index	IP20
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CASE

Case	Self extinguishable black polyamide ULV0
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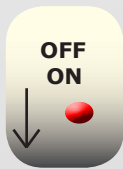
OPTIONS REFERENCE

OPTIONS	PRODUCT CODE
Varnish option	JK601XAX-T
Supply option 20Vac / 60Vac	JK6019A1

CONFIGURATION - WIRING - DIMENSIONS

An accessible switch located on the top of the transducer ensures to configure scale 5A to scale 1A.

INPUT CONFIGURATION SWITCH



INPUT SWITCH	1	2
0/5 A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
0/1 A	<input type="checkbox"/>	<input type="checkbox"/>

OUTPUT ADJUSTEMENT

Output setting :

Set with input switch chosen input type.

- Wire on input terminals, an Ac current generator.
- Wire on output terminals to adjust, a multimeter in current or in voltage, according to chosen output.
- With the generator, generate signal corresponding to the input signal low value.
- Adjust with potentiometer called « OFFSET » the output scale bottom.
- With generator, generate signal corresponding to input signal high value.
- Adjust with potentiometer « SCALE » the output scale top.

Start again successively these 2 operations as much as it is necessary until you have low and high right scale values.

Note :

For a.c. input transducers such like JK6010A1, in order to be able to unplug it while it is live and in use, wiring base supplied is self-shorting base . Its reference is BL01CJV, delivered with the transducer.

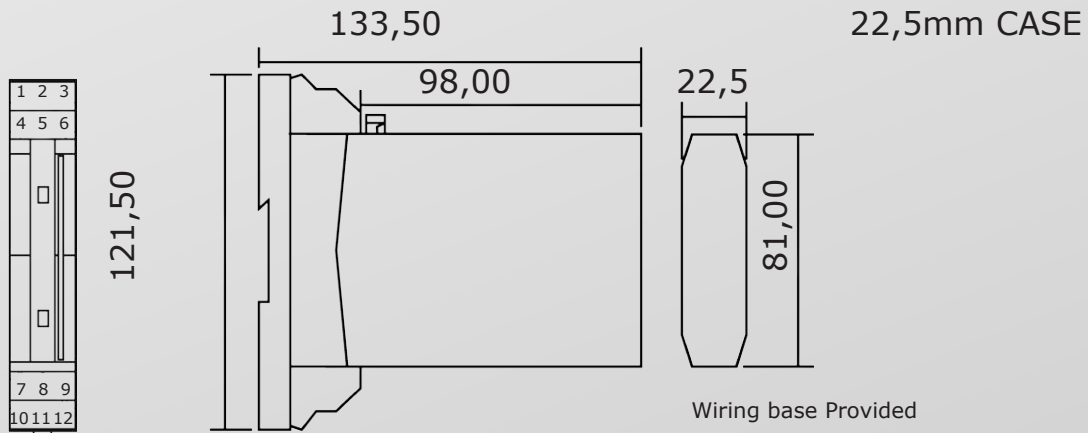
CONFIGURATION - CABLAGE - DIMENSIONS

INPUT, OUTPUT & AUXILIARY SOURCE WIRING



DIMENSIONS AND TERMINALS

BASELINE screw



TA13-ENG- Non contractual datasheet.
Subject to change without notice