



JM Concept
une vision d'avance



XALIS

DIGITAL INDICATOR NEW GENERATION



WARRANTY
5 YEARS

The new **XALIS 2013** integrates a 32 bits microprocessor offering some more of performance.

XALIS is a new digital indicator range with 2 colors numerical and alphanumeric display designed to provide display and signals transmission solutions

XALIS design allows exceptional performances in a fitted 48 X 96 X 85 mm case with unplugged connections and USB plug on rear panel.

XALIS can be programmed with the new graphic software **IXLOG XALIS***

*Usable on XALIS 2013 - Firmware version 1.13



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VA18 - Not contactual documentation.
Contents subject to modifications without advance notice



	ENTREE / INPUT		SORTIES / OUPUTS			
	Courant tension PT100 / Potentiomètre Thermocouple Current voltage PT100 / Potentiometer Thermocouple	Alimentation capteur Sensor supply	1 analogique isolée 1 isolated analogue	2 analogiques isolées 2 isolated analogues	2 Relais 2 Relays	4 Relais 4 Relays
XALIS 9000U0	✓	✓				
XALIS 9000U1	✓	✓	✓			
XALIS 9200U0	✓	✓			✓	
XALIS 9200U1	✓	✓	✓		✓	
XALIS 9400U1	✓	✓	✓			✓
XALIS 9400U2	✓	✓		✓		✓

VUE COMMENTEE

Affichage numérique
bicolore 5 caractères 18 mm
2 colors digital display
5 digit 18 mm



Affichage bicolore des unités
Physical units 2 colors display

Touche Menu
Menu key

Touches de défilement
Scrolling keys

Touche de validation
Enter key

Affichage alphanumérique
bicolore 9 caractères 8 mm
2 colors alphanumeric
Display 9 digits 8mm

Affichage de l'état d'alarme
Alarm status display

INPUT 

CURRENT (dc)	Standard scales : 0-1mA; 0-10mA; 4-20mA; +/-1mA; +/-10mA; +/-20mA Adjustable scale : From -22mA to 22mA
VOLTAGE (dc)	Standard scales : 0-100mV; 0-1V; 0-5V; 1-5V; 0-10V; 2-10V; 0-50V; 0-100V; 0-250V; 0-500V; 0-1000V +/- 100mV; +/-1V; +/-5V; +/-10V +/-50V ; +/-100V ; +/-250V; +/-500V; +/-1000V Adjustable scales : From 110mV to 110V, From -2V to 11V, From -1000V to 1000V
RTD	PT10 ; PT1000 ; Ni100 ; Ni1000 - 2 or 3 wires PT100 or 4 wires - C50, Cu53, Cu100
2 WIRES RESISTOR	1KΩ - 5KΩ - 10KΩ- 50K Allows the realization of curve PTC and NTC
THERMOCOUPLE	J, K, T, B, R, S, E, NiMo, N, W3/C, W5/D, P
POTENTIOMETER	From 470Ω to 100KΩ
SENSOR POWER SUPPLY	Sensor 2 ou 3 wires 24V - 36mA max

OUTPUTS 

ANALOGUE OUTPUT	XALIS 9000U1 - XALIS 9200U1 - XALIS 9400U1 - XALIS 9400U2
CURRENT	Standard scales : 0-10mA; 0-20mA ; 4-20mA Adjustable scales : From 0mA to 22mA
VOLTAGE	Standard scales : 0-10V ; 0-5V ; 1-5V ; 2-10V Adjustable scales : From 0 to 11V
2 RELAYS OUTPUTS	XALIS 9200U0 - XALIS 9200U1 2 Relays 1 NO & 1 NC - 2A -250Vac
4 RELAYS OUTPUTS	XALIS 9400U1 - XALIS 9400U2 4 Relays 1 NO & 1 NC - 2A -250Vac

DISPLAY	colors numerical and alphanumeric display
DISPLAY COLOR	Color choice green or red separately on digital or alphanumeric display
COLOR DISPLAY CHANGE	Automatic color change possibility in case of alarm
INPUT SCALE FACTOR	Allows to provide a magnifying effect on input in manual or automatic calibration
INPUT DISPLAY	The indicator enables to display, the inputs in physical or programmed value.
OUTPUTS DISPLAY	The indicator enables to display outputs, in physical value or in percent, it also displays alarms status.
PROGRAMMATION	Programmation with 4 keys on front face and with USB plug on rear panel with free software IXLOG XALIS*



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TARE	Tare setting on mV and mA input
SIMULATION	Simulation function allows action concerning analogue output, relays and display separately from input and without disconnecting input or output.
OUTPUT LIMITS	Allows outputs limitation values – High and low limits.
CJC	Cold Junction Compensation with 16Bits digital sensor
SENSOR SAFETY	Shows sensor break on display, on analog output (by entering drop out value), on relays and digital output.
100 POINTS LINEARIZATION	Linearization allows to create an output function by input signal segmentation
PTC - NTC RESISTIVE LINEARIZATION	Allows to create the curve PTC or NTC by segmentation of input signal (only with software IXLOG-XALIS*)
THRESHOLDS	Simple mode or band-mode with positive or negative safety. Threshold, hysteresis and temporization adjustment (separately from rise or fall). Direct access to thresholds. Alarm memorizing and alarm deleting.
ALARMS RESET	Separately on each alarm
ALARMS MEMORIZATION	Separately on each alarm.
OTHERS	Cut Off ; Resolution ; Comma ; Filtering ; Display light off.



TECHNICAL CHARACTERISTICS 1/2



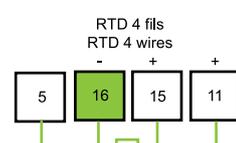
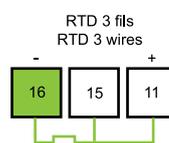
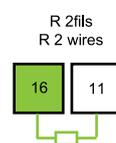
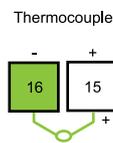
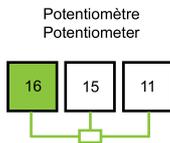
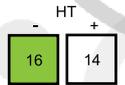
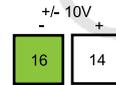
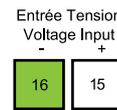
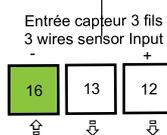
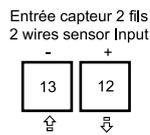
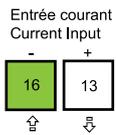
INPUT IMPEDANCE		ISOLATION	
Current input	5,6Ω	Supply / Input	5000Vdc-3750Vac, 50Hz, 1mn
Voltage<10V thermocouple input	>10 MΩ	Supply / Output	5000Vdc-3750Vac, 50Hz, 1mn
Voltage input +/-10V or >10V	1 MΩ	Input / Analogue output	5000Vdc-3750Vac, 50Hz, 1mn
PT10; PT100; Ni100; Cu50; Cu53; Cu100 input	Current: 1mA	Input / Digital output	5000Vdc-3750Vac, 50Hz, 1mn
Ni1000; PT1000 input	Current: 0,25mA	Ana. output / Digital output	5000Vdc-3750Vac, 50Hz, 1mn
2 wires resistor R=200Ω; R=1kΩ	Current: 1mA		
2 wires resistor R=10kΩ	Current: 0,2mA		
OUTPUT IMPEDANCE		CHARACTERISTICS	
Current output	< 950Ω	Analogue input/digital conversion	24 bits
Voltage output	> 4,7kΩ	Digital output/analogue conversion	16 bits
Sensor power supply	U < 24V - I < 36mA	Response time mV, mA, thermoc., 2 wires resistor	< 100ms
RELAY OUTPUTS		Response time RTD, potetiom.	< 250ms
Relays 1 NO&1NC : 2A-250Vac		Thermal drift	< 25ppm
PRECISION CLASS		Current output residual ripple	< 20μA
0.10		Voltage output residual ripple	< 10mV
		CONSUMPTION	
		< 4VA	

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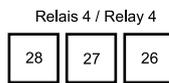
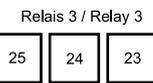
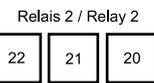
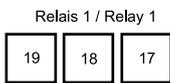
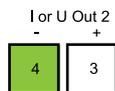
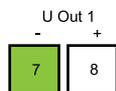
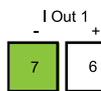
SOURCE		OTHERS	
Standard auxiliary source	20Vdc/240Vdc & 80Vac/256Vac	Protection index	IP65
Auxiliary source in option	20Vac/60Vac	Case	ABS Noir Auto extinguable UL V0
TEMPERATURE		Option	Tropicalization
Operating temperature	-10°C / +60°C		
Storage temperature	-25°C / +80°C		

WIRING

INPUT

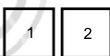


OUTPUTS



Alimentation / Supply

sans polarité / without polarity



20Vdc - 240 Vdc

80Vac - 256 Vac 50 - 60 Hz

Communication

RS485 MODBUS



Sortie face arrière / Out rear face

USB

