

Version of 07/21/2022

UHLIS 0040T0





Universal power supply



Hot-swappable plug in and out



Sensor power supply



ModBus RTU

Presentation

With 4 isolated Digital inputs (Dry contacts) or Impulse (NPN, PNP), UHLIS 0040T0 allowing a flexible configuration of all 4 inputs for the transmission of the statuses or the counting of impulses, via a Modbus RTU connection.

UHLIS 0040T0 is guaranteed **5 years**

Factory settings

Inputs	**Functioning mode**	**Counting direction**	**Scale factor value**	**Counter reset value**
	Counting	Increasing	1.0	0.0
	Alarms thresold mode	**Alarm 1 thresold**	**Alarm 1 thresold**	
	Unused	0.0	0.0	
Functions	**Function performed**	**Operand A**	**Operand B**	**Operand C**
	Unused	Input 1	Input 1	Input 1

Communication speed: 9600 bauds, Slave address: n°1

Inputs - Communication

Input gauges

Input	4 digital inputs: NPN, PNP, dry contacts Acceptable voltage range 0-24V Vil: 2V ; Vih: 10V
Sensor supply	2 wires sensor 24V ; 41mA max
Communication	Isolated USB front panel / Isolated RS485 Modbus RTU

Characteristics

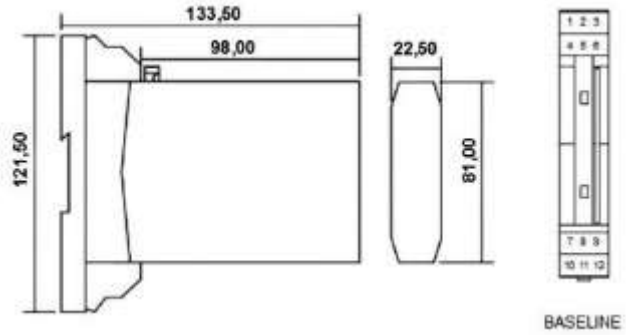
Input characteristics	
Current input impedance	> 4.7 kΩ Active state >11 MΩ Passive state
Isolation	
Supply / Inputs-Communication	4200Vrms, 50Hz,1mn
Input x / Input y / USB-RS485	2500Vrms, 50Hz,1mn
USB / RS485	Without
Auxiliary source	
Voltage supply	22-240Vdc or 90-230Vac 50/60Hz
General characteristics	
Max frequency of counting / of a digital signal	Counting max frequency: 1 channel: 2.4 kHz ; 2 channels: 2.2 kHz ; 3 channels: 2 kHz ; 4 channels: 1.8 kHz
Maximum of consumption	<5 VA
Operating temperature	-10°C … +60°C
Storage temperature	-25°C … +80°C
Relative humidity	<95% HR (non-condensing)
Protection factor	IP20

Functions

Display functions	
LED indicators	• 4 red LEDs light up or down depending on the state of the input • 1 LED indicates that a communication is in progress (USB or RS485)
Programming	Programming via USB with **IXLOG** software
Smart functions	
Calculation mode	Functions configurable: A+B, A+B+C, A+B+C+D, A-B, A/B, (A-B)/A
Memorization of Digital input states	Copy status of digital inputs to bits for transmission via Modbus
Counter input	• Counting direction: increase, decrease • Possibility to enter a multiplier factor on the value of each input • Possibility to define 2 alarm thresholds per channel • Possibility to reload the counter with an initialization value set when the second threshold is exceeded • Reloading a counter with an initialization value by setting a bit
Links and communication	
RS485 MODBUS RTU	RS485 MODBUS RTU bidirectional digital link allowing to: • recover the measurements and transmit them in digital format • configure and control the device
USB front	USB front panel to connect directly to the USB port of a PC for programming via the **IXLOG** software

Dimensions and wiring

Dimensions



Dimensions: width: 22.5 mm - Height: 81 mm - Depth: 98 mm

BASELINE boards are to be ordered separately
22.5 mm Case: Reference BL01ALV
For multi-transmitter boards, please consult us.

Wiring

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