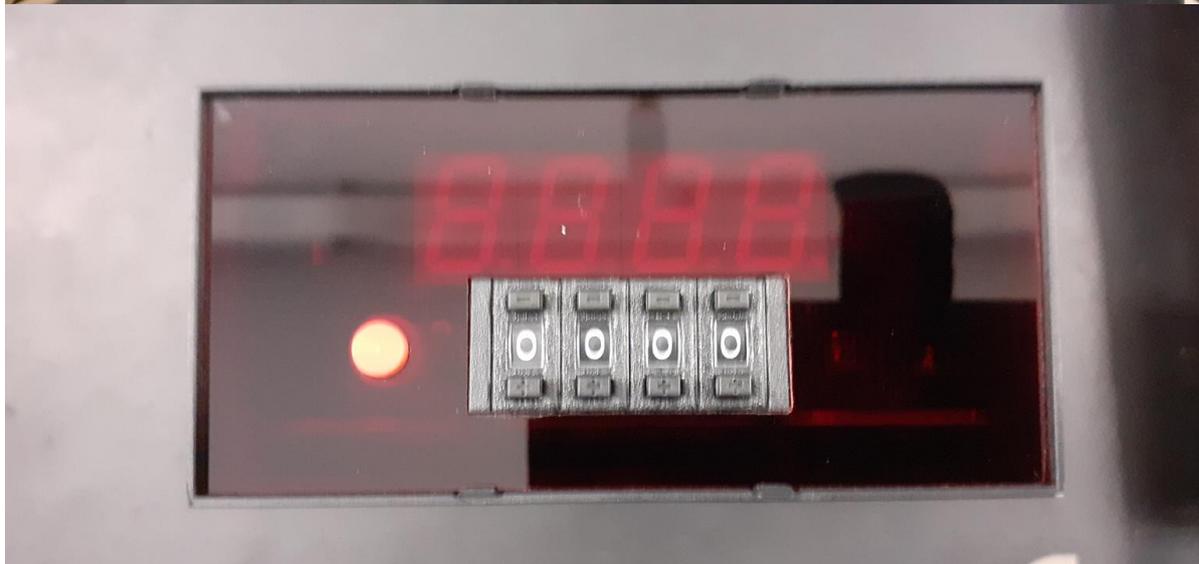
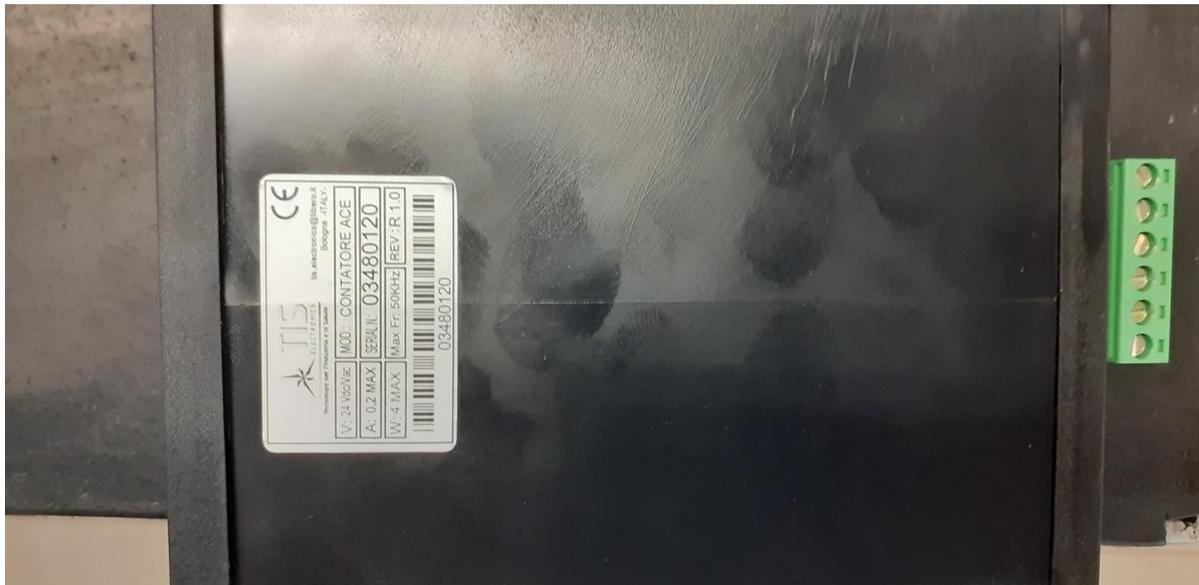


# Bidirectional counter with control outputs motors direction for motorized format change Cellophane Wrapping Machines



All inputs and outputs are active high (24V continuous)  
Inputs not mentioned are not used in this configuration

Bidirectional counter with control outputs motors direction  
for motorized format change  
Cellophane Wrapping Machines

CNT1

1	2	3	4	5	6
<	>	=	GND	NC	RST

CNT2

1	2	3	4	5	6	7	8
EN	ST	IN2	IN1	+12V	GND	a.c.	a.c.

The device allows to count the impulses of an encoder for the management of the positioning of mechanical elements on cellophane wrapping machines.

The CNT2.7 and CNT2.8 inputs are the power supply of the device which can be 18V alternating or 24V continuous.

The CNT2.5 and CNT2.6 outputs are used to power an encoder.

The CNT2.3 and CNT2.4 inputs count the encoder pulses and must therefore be connected to the encoder outputs A and B.

Contact CNT1.4 is the common (GND) for outputs CNT1.1, CNT1.2 and CNT1.3.

The device displays the current value of the counted pulses. It should be noted that when turned on the display shows the last value it had when turned off.

It needs to use the + and - buttons to set the single digits of the positioning value to be reached.

It will then have to push the circular red button to confirm and enable the value and to consequently give direction outputs to motor control device.

If the CNT2.1 enable input is active, either the CNT1.1 output or the CNT1.2 output will be enabled depending on whether the display value is less than or greater than the set value.

The display shows each counting change by Encoder's Signals A and B.

The CNT1.1 and CNT1.2 outputs are deactivated and the CNT1.3 output is activated if the count value displayed by the device coincides with the set count value.