



T-TWO

TENSION CONTROLLER



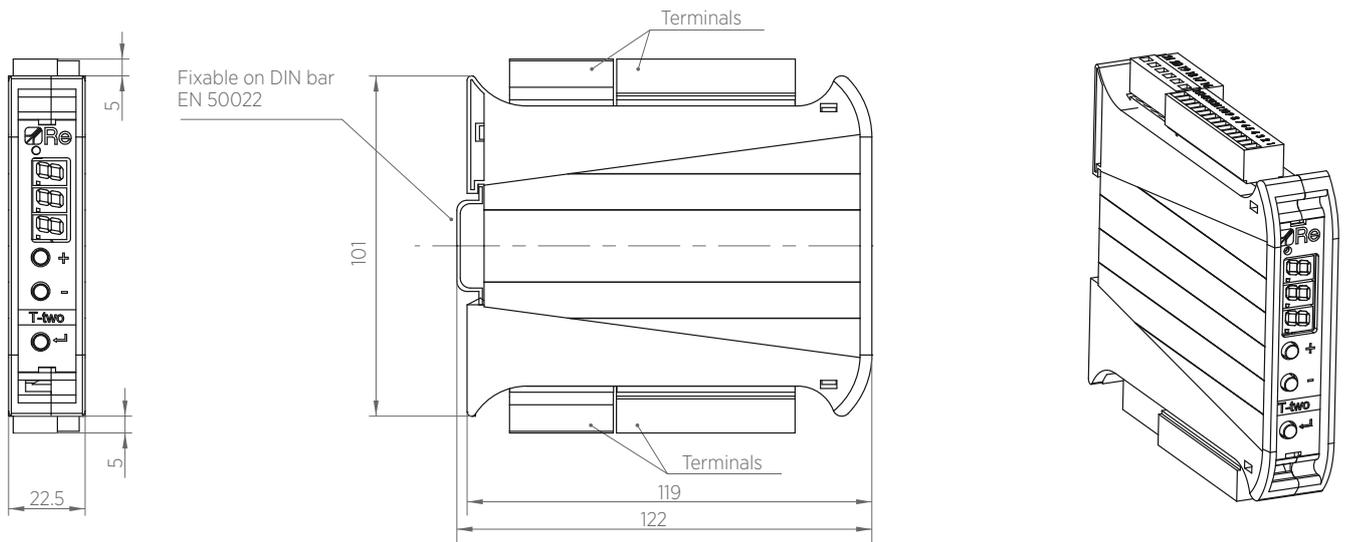
- ✓ Control of closed-loop
- ✓ Regulation in torque
- ✓ Tension control with load cells or dancing roller
- ✓ Use with pneumatic or electromagnetic brake
- ✓ Reliability
- ✓ Compact design
- ✓ Ease of use and calibration

T-two is a digital tension controller for the automatic regulation of the web tension; provided with a compact and sturdy case, it has been designed to be mounted on a DIN bar inside the electrical panel of the machine and for those customers who take care the costs, but without give up the quality and the precision of our tension controllers.

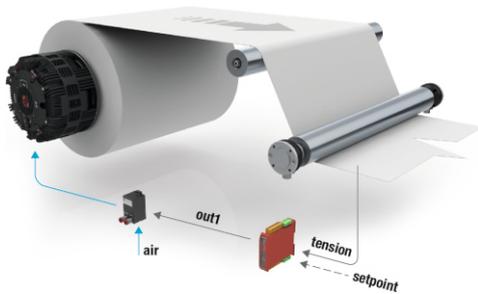
The core of T-two is the new PID algorithm specifically developed by our engineers to stabilize critical systems.

The control panel of the T-two tension control is equipped with 3 buttons for the regulation and the management of the parameters and a 3 digit display with 7 red segments each to show the value of the web tension and the dancing roller position, as well as many other.

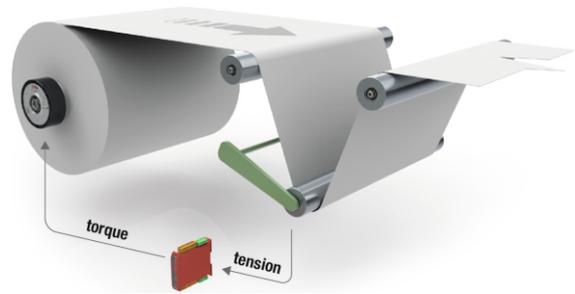
TECHNICAL DRAWING



APPLICATIONS



Regulation in torque with load cells



Regulation in torque with dancing roller

TECHNICAL DATA

Power supply	24 Vdc
Power	6 W max (logic section) + 58 W max (power section)
Analog input 0÷13 mV	1 max n.2 load cells
Analog input 0÷10 V / 4÷20 mA	1 max n.1 amplified load cell or dancing roller
Analog input 0÷10 V	1 remote setpoint; 1 dancing roller piston control
Digital inputs 24 V	4 remote controls from PLC
Output 10 Vdc	1 potentiometer supply
Output 24 Vdc	1 amplified load cells supply or remote display
Analog outputs (0÷10 Vdc; 4÷20 mA; ecc.)	1 tension proportional or dancing roller piston control 1 PID torque control
PWM output 0÷1 A	1 electromagnetic brake
Digital relay outputs 30 Vdc / Vac	2 for alarms
Weight	170 g
Working temperature	0÷50°C
Protection class	IP 20
Dimensions	22,5 x 101 x 128,5 mm

*Data are subject to technical change without notice



Re S.p.A.
via Firenze 3
20060 Bussero (MI) Italy

T +39 02 9524301
F +39 02 95038986
E info@re-spa.com

Assistenza tecnica
Technical support
T +39 02 952430.300
E support@re-spa.com

Assistenza commerciale
Sales support
T +39 02 952430.200
E sales@re-spa.com