



# T-ONE SEL-XP

## TENSION CONTROLLER



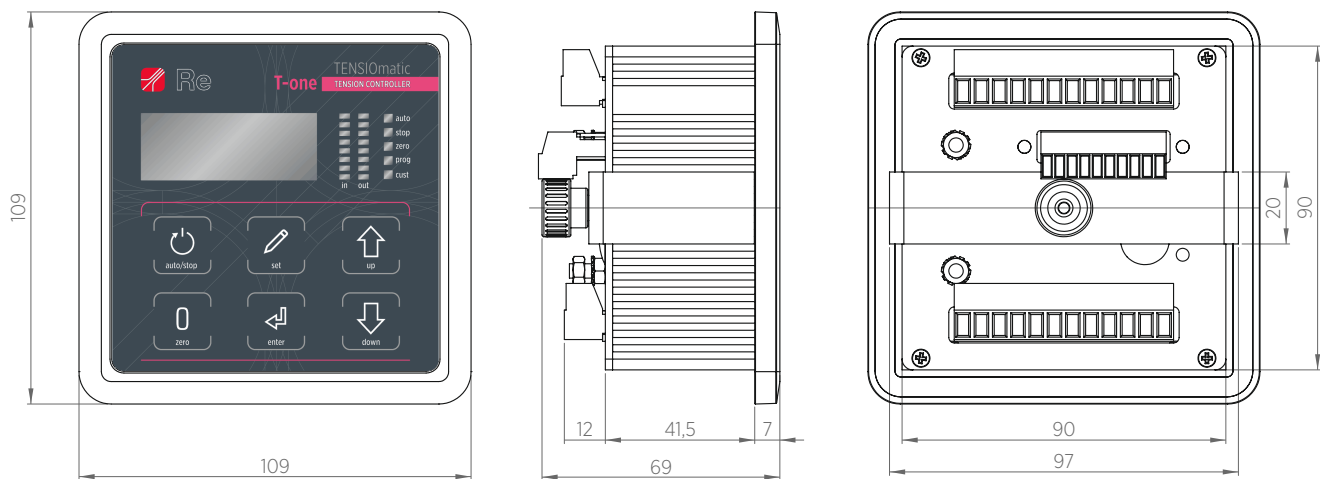
- ✓ Control of closed-loop and combined systems
- ✓ Regulation in torque
- ✓ Tension control with load cells or dancer roller
- ✓ Can be used with modular brakes
- ✓ Can manage wide variations of tension
- ✓ Compact design
- ✓ Ease of use and calibration

T-one is a tension controller specifically designed for the web tension control in closed-loop and combined systems; extreme ease of use and compactness are the main features of the tension controller. The core of T-one is the P.I.D. algorithm, which has been improved in speed and accuracy.

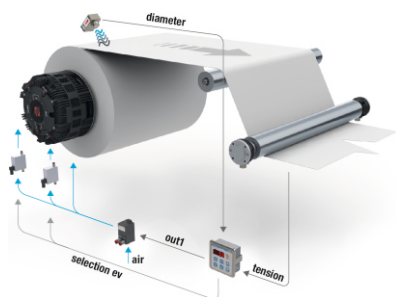
The interface with 6 buttons and 4 digit is easy to use and allows to smoothly control and set up the desired parameters to obtain the best results.

T-one SEL-XP has been specifically designed for those applications that require modular pneumatic brakes for wide variations of diameters and tension. Thanks to the SELEMATIC function, the tension controller can automatically exclude two groups of calipers, sizing the brake dynamically and adapting itself to the required torque to make the regulation more sensitive. The controller, managing an electropneumatic transducer and two solenoids, give the right pressure to the brake.

## TECHNICAL DRAWING



## APPLICATIONS



Combined regulation in torque  
with load cells or dancer roller

## TECHNICAL DATA

Power supply	24 Vdc
Power	8 W max
Analog inputs 0÷10 V	1 dancer roller 1 diameter 1 setpoint or dancer roller pressure
Analog input 0÷20 mV / 4÷20 mA	1 max 2 load cells
Digital inputs 24 V	6 remote controls
Analog output 0÷10 V / 4÷20 mA	1 torque motor control
Analog output 0÷10 V	1 diameter or tension proportional or dancer roller piston control
Digital relay outputs 24 Vdc / 24 Vac	2 for alarms or solenoids control
Weight	400 g
Working temperature	0÷50°C
IP protection class	IP 20 (case) IP 52 (frontal panel)
Dimensions	109 x 109 x 69 mm

\*Data are subject to technical change without notice



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