

Automatic tension controller STC-858A

Outline

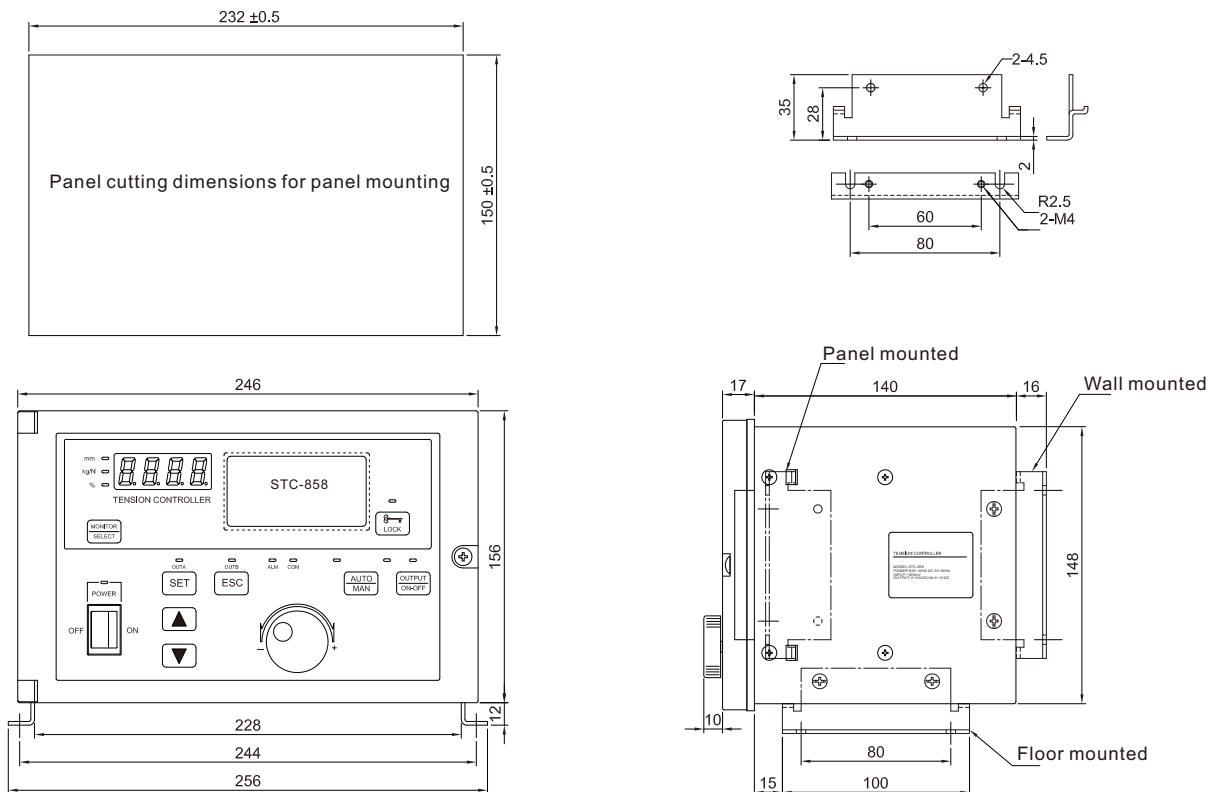
The STC-858A tension controller receives signal from the LS series tension detector to automatically control the tension of the long material at the unwind, feed reel, and winder. This controller therefore generates a control voltage of 0 to 24 V to control the powder clutch/brake and the hysteresis clutch/brake, or generates the torque command voltage of 0 to 5 V to send to the servo amplifier.

Features

- (1) The menu function enables storage and reading of 4 types of operation data.
- (2) The optional memory cassette enables reading of operation data and writing of data in the other STC-858A tension controller.
- (3) The controller has a weak excitation function for the powder clutch/brake. This function will improve the torque rising operation in low-speed operation mode or during the initial start-up of machine.
- (4) The controller automatically judges the polarity of the detector signal, therefore, wiring is performed with ignoring the specification (compression or tension).
- (5) The dot matrix type liquid crystal display is adopted for this controller, it has the capability of displaying Chinese characters.



Installation



Environment Spec

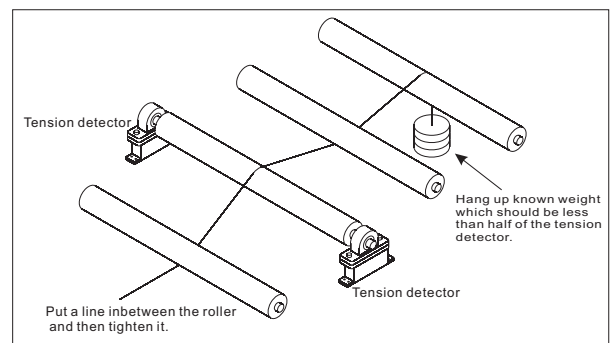
Working condition	Ambient temperature: 0-40°C
	Environment humidity: 35~85%RH(no frost)
	Non-corrosiveness, no flammable gas, no conductive dust, dust free
Vibration	10~50Hz 0.55mm (Max 4.9m/s ²)
Grounding	D type grounding(Forbid to connect with strong electric wires together)
Weight	Approx 3.5kg

LS tension detector

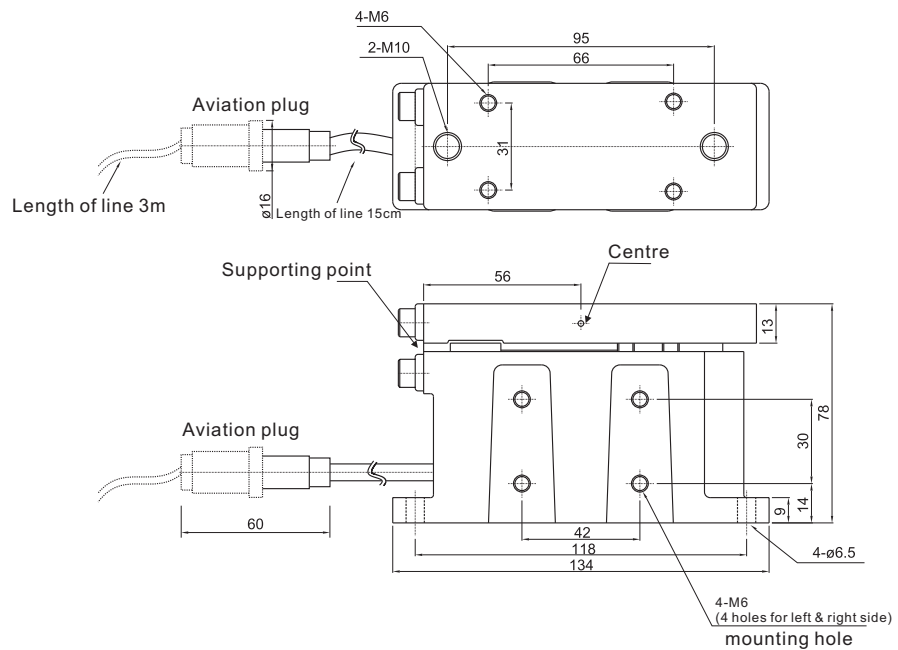
The LS series tension detector is made to be used with the LTC-858A automatic tension controller or LTC-858B semi-automatic tension controller. This detector uses a high precision load cell and can perform high precision tension detection with excellent temperature and hysteresis characteristics.

PARAMETER

MODEL	LS-005TD	LS-015TD	LS-030TD	LS-050TD	LS-100TD
Rated torque	50N.m	150N.m	300N.m	500N.m	1000N.m
Working load direction	It protects itself with an overload cutoff in both pushing and pulling directions				
Working condition	Working temperature :0-40°C Vibration: under 2m/S ²				
Installation	Ground installation, hang up installaion, Wall mounting installation				
Weight	Approx. 1.8 kg				
Shaft apply for	204#				



Installation spec



Installation method

