

Smart Devices



(LU-2800 Series, PLC-2700 Series)

Skip Stitch Detector / Bobbin Thread Remaining Detector / Digital Tension / Cover Sensor Unit

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- Skip Stitch Detector
- Bobbin Thread Remaining Detector
- Digital Tension
- Cover Sensor Unit



LU-2810-7/CP-180/with smart devices



PLC-2760-7/CP-180/with smart devices

Skip Stitch Detector

Stitch skipping is detected during sewing. This helps lighten the operator's inspection work load and also prevents defective products from being shipped. In the case where a skipped stitch is detected, the buzzer sounds, the red lamp lights up and the sewing machine stops. With this function, the operator is allowed to concentrate on sewing work without worrying about skipped stitching.



Bobbin Thread Remaining Detector

The buzzer sounds and the green lamp lights up when the amount of thread remaining on the bobbin reaches a predetermined length. It is also possible to stop the sewing machine at this point. With this function, the operator is allowed to concentrate on sewing work without caring about the amount of thread remaining on the bobbin.

Digital Tension

Thread tension can be numerically controlled. Since the thread tension cannot be changed without a control box, a change in thread tension by the operator for personal preference is prevented.



Digital Tension

Since the needle thread tension is changed with the stepping motor, consistent thread tension control is achieved. (In addition, a thread tension which matches a sewing process can be easily reproduced by the control box to the sewing machine.)



Control Box

Sixteen different thread tension values can be set for a single sewing machine unit. In addition, one control box is able to manage thread tensions for 250 sewing machine units at the maximum.

Cover Sensor Unit

The cover sensor unit detecting ①, ② and ③ (shown below) are closed tightly during sewing, thereby preventing the sewing machine from starting up unexpectedly. (①, ② and ③ can be used discretely.)

① Eye guard with an open/close sensor



The eye guard prevents a broken needle from flying off. If the eye guard is open, the sewing machine cannot be started. As a result, the sewing machine will not start up unexpectedly even if the operator forgets to turn the power off.

② Bed slide with an open/close sensor



The sewing machine will not start if the throat plate is open. This prevents the material from being caught in the hook during sewing.

③ Handwheel cover with an open/close sensor



The handwheel cover prevents the sewing machine from starting up unexpectedly while the operator is turning the handwheel by hand. In addition, the cover also prevents the thread and material from being entangled in the handwheel during sewing.

Devices by model

•LU-2800-7 Series

Model	Skip Stitch Detector	Bobbin Thread Remaining Detector	Digital Tension(DT)	DT Control Box	Cover Sensor	Cover Sensor Unit *1	Cable *2
LU-2810-7	40175752		40153263	40153920	40152605	40171589	40175951
	40162088	40163832					
LU-2860-7	40175753		40153924	40173138	40175682	40177690	
	40162089	40163833					
LU-2828A-7	40175755		40153263	40153920	40171588	40171588	
	40162090	40163837					
LU-2818AL-7	40175754		40153263	40153920	40171589	40171589	
	40165240	40163836					

*1. Please select if you want to use skip stitch detector and the bobbin thread remaining detector at the same time.

*2. Please select in the case of two devices or more with skip stitch detector, bobbin thread remaining detector and cover sensor unit.

•PLC-2700-7 Series

Model	Skip Stitch Detector	Bobbin Thread Remaining Detector	Digital Tension(DT)	DT Control Box	Cover Sensor	Feed Lever Base Cover *1	Cable *2
PLC-2710-7	40175756		40153263	40153920	40165317	-	40175951
	40162091	40154826					
PLC-2760-7	40175757		40153924	40173138	40177729	40155443 (6mm) 40155445 (8mm) 40155447 (10mm) 40153488 (12mm)	
	40162092	40153314					

*1. If you want to order a cover sensor, please purchase two pieces of feed lever base cover that corresponds to the width of the needle.

*2. Please select in the case of two devices or more with skip stitch detector, bobbin thread remaining detector and cover sensor unit.



Registered Organization : JUKI CORPORATION Head Office
The Scope of the Registration : The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

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* Specifications and appearance are subject to change without prior notice for improvement.
* Read the instruction manual before putting the machine into service to ensure safety.
* This catalogue prints with environment-friendly soyink on recycle paper.