

7.3 Multi Insertion (Supply) Sensor (Option)

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[1] Overview

Sensors are provided in the preceding stage of the drums of the weft feeder to detect the breakage of supply yarn. (Optional)

The sensors (see the figure below) used are manufactured by ELTEX and stop the machine if any of them detects yarn breakage.

An operation indicator LED (2) is provided on each sensor. It lights up while the sensor detects the yarn condition and goes out when the yarn is broken.

[2] How to Adjust the Sensors

- Clockwise turning of the adjustment volume (1) increases the sensitivity.
- First, fully turn the adjustment volume (1) clockwise. (Maximum sensitivity)
- Next, run the machine and then slowly turn the adjustment volume (1) counterclockwise with the yarn correctly threaded.
- Continue turning the volume counterclockwise to the position where the indicator LED (2) goes out (the machine stops at this time).
- Then, turn the volume 45 degrees clockwise. Use each sensor in this state.
(Turn the volume another approx. 20 degrees clockwise if yarn breakage is falsely detected even in this state.)

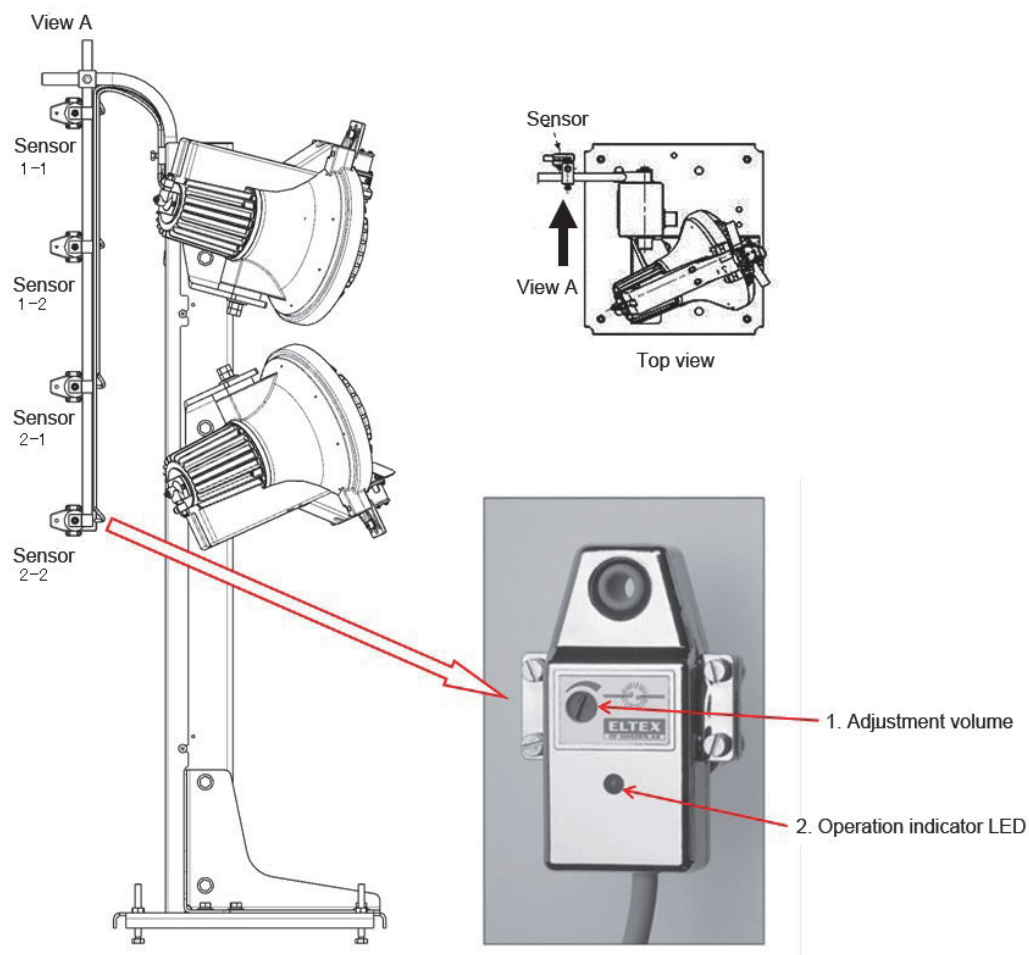


Fig.1 Installation positions of the paralleling sensors (Example: two-color, two-pick paralleling specification)

