

PRM-W1

Improved Substitute for SaviTec 100W electronic boards

Data Sheet

- Electronic control board pin to pin compatible with original electronic **savi^{tec}** board
- **Lowcost: US\$90.-**(price for guidance)

PRM-W1 is a pin-to-pin compatible improved substitute for original SaviTec 100W weft feeder electronic boards. PRM-W1 can be easily used to substitute old broken 100W electronics.

1. Existing Features

- Control board for bi-phase AC motor
- Speed adjustment by frequency and voltage modulation
- PWM systems
- Board supply voltage: 48 V/DC

2. New Features

- **Microcontroller** control logic
- New high performance automatic speed adjusting algorithm
- Cooler working temperature
- Microcontroller improved optical yarn reader sensing
- **MOS** power drivers
- Special programming features on demand



2.1. Two switch selected programs

- **MANUAL mode**, works as original electronic SaviTec board, with the same features of the original control.
- **AUTO mode**, with new improved features; this program features may also be adapted to specific needs on demand.

3. Main Specifications

- Max weaving speed: 1300m/min. (automatic in AUTO mode)
- Max acceleration time: 800ms (automatic in AUTO mode)
- Max brake time: 800ms (automatic in AUTO mode)
- Min brake time: 8 sec. (automatic in AUTO mode)
- Weaving machine length: up to 6m or more (depending on speed)
- Speed adjusting time: about 5/10 sec. in AUTO mode
- Mixed colors: up to 8 colors in AUTO mode (depending on weaving machine length and speed)

See the documents "Quick Installation Procedure" and "User Manual" to learn how to install and use it.