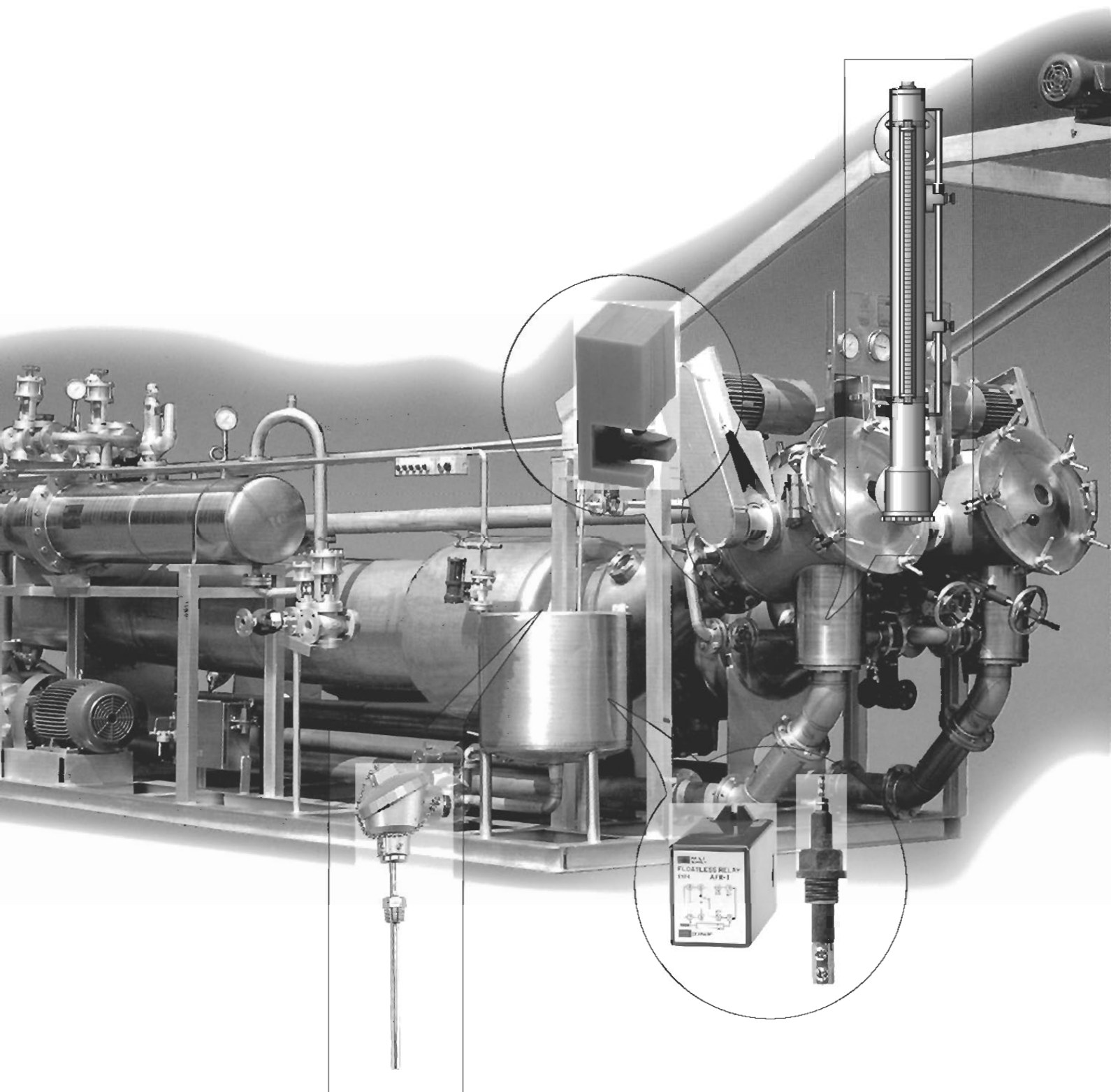
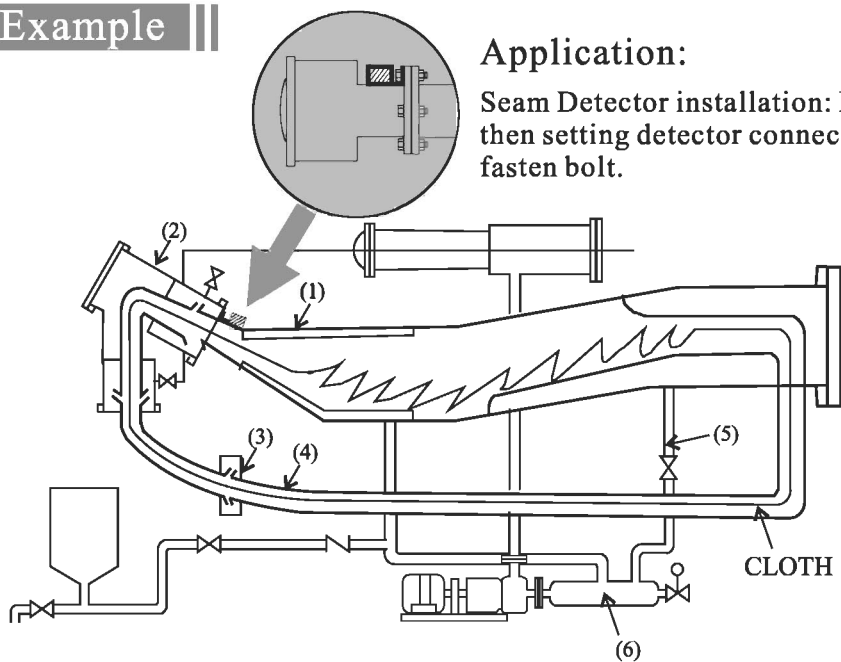




SEAM DETECTOR



Example |||

**Application:**

Seam Detector installation: Loose any one of flange bolt, then setting detector connection parts with Flange and fasten bolt.

Dyeing Machine:

- (1) Dyeing tank
- (2) Injection unit
- (3) Reverse injection unit
- (4) Feeding pipe
- (5) By-pass pipe
- (6) Overflow tank

Model: DM-11A/DM-11A includes of
MBB-0040: Controller
MBB-0040: Detector
MBB-1030: Magnet

Specifications

Relay Output:

ALARM: SPST, 10A/ 277VAC

SEAM: SPST, 10A/277VAC

Supply: 110/220VAC +/- 15%, 50/60Hz

Default setting: 220VAC

Memory: Data can be kept for 7 years

Character Display: 0~999

Monitor:

3 digit x 2 sets, 12.8x 9.8mm

Key Pad: 4 Keys

Appearance Material:

Seam Controller--- engineer plastic

Seam Detector--- engineer plastic

Magnet----- engineer plastic

Signal Cable:

22AWG 80 deg. C 300V,2 cores w/ shield screen

Dimension:

Seam Controller----- 48x96x119

Seam Detector--- 85x46x38

Magnet----- $\phi 13.5 \times 26$

Weight:

Seam Controller----- 366g

Seam Detector----- 191g

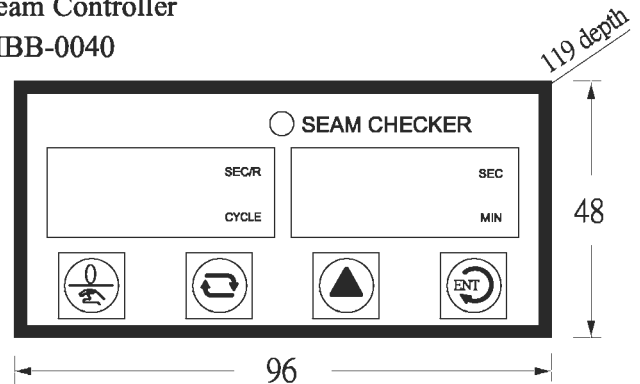
Measuring Distance:

23cm (Standard);

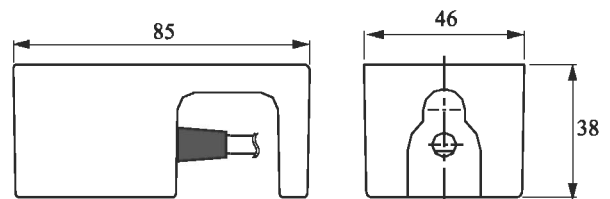
62cm (Max)

Drill Hole: 91.6x45.3mm

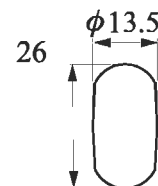
- Seam Controller
MBB-0040



- Seam Controller
MBB-0030



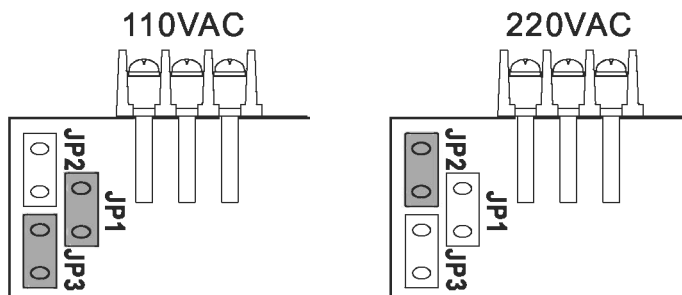
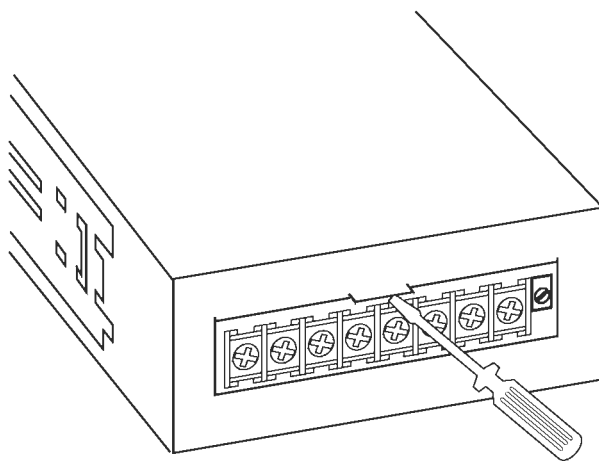
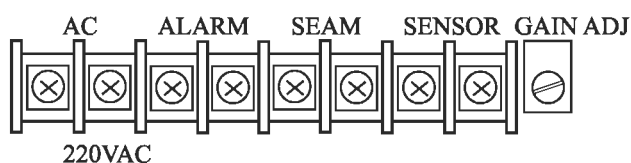
- magnet
MBB-1030

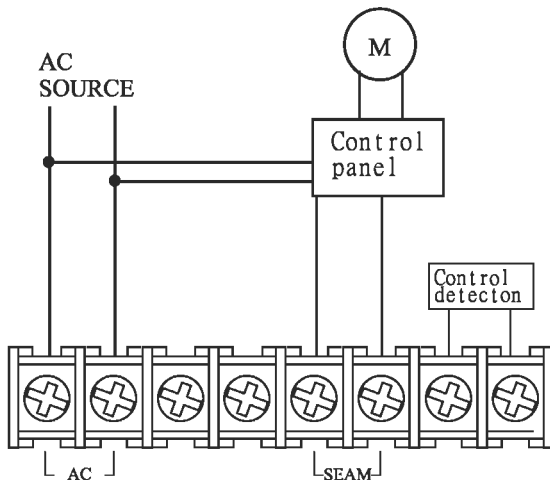


Default setting is 220VAC. If you require different power supply, please follow below procedures:

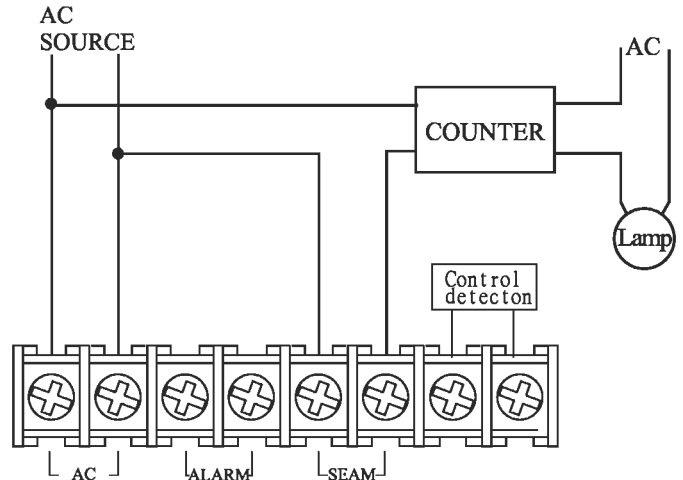
1. Turn Power Off
2. (1) Remove frame and panel of Seam Controller (2) Press locker on its back face and then push PCB out.
3. Power setting: Black part represents Plug in Jumper(s), blank part represents Jumper(s) removed.

- Terminal arrangement

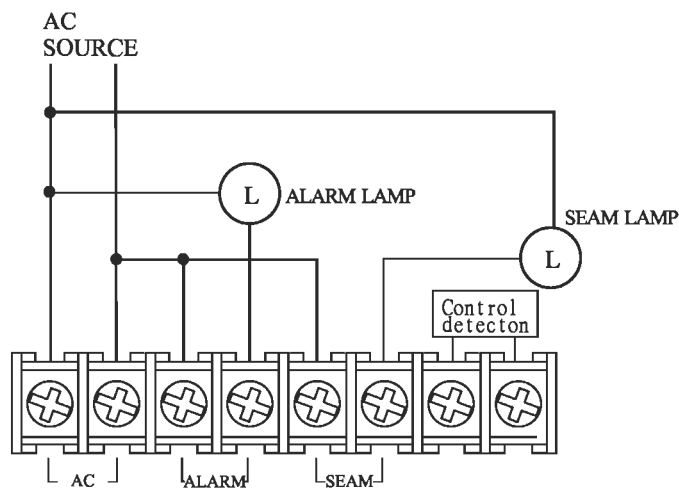




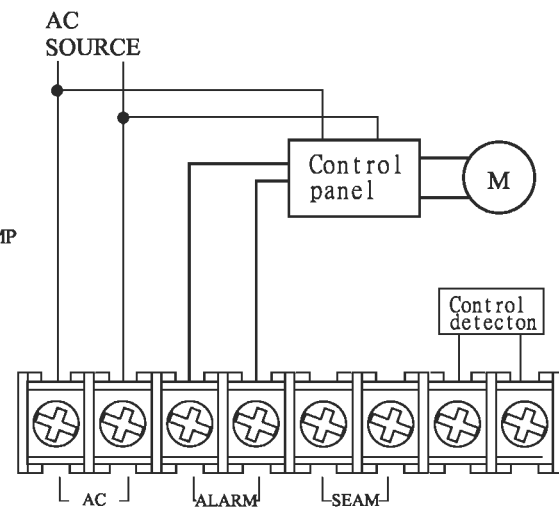
As seam controller receives pulse signal sent by seam detector, Seam terminal on back of seam controller will send out 1 relay output signal to control panel to stop motor running.



As counter receives seam signal sent from seam controller for continuous 5 times, counter's output will make lamp light.



As SEAM signal sends out, SEAM LAMP lights on for 1 sec and then light off. When Alarm signal sends out, Alarm Lamp will keep shining.

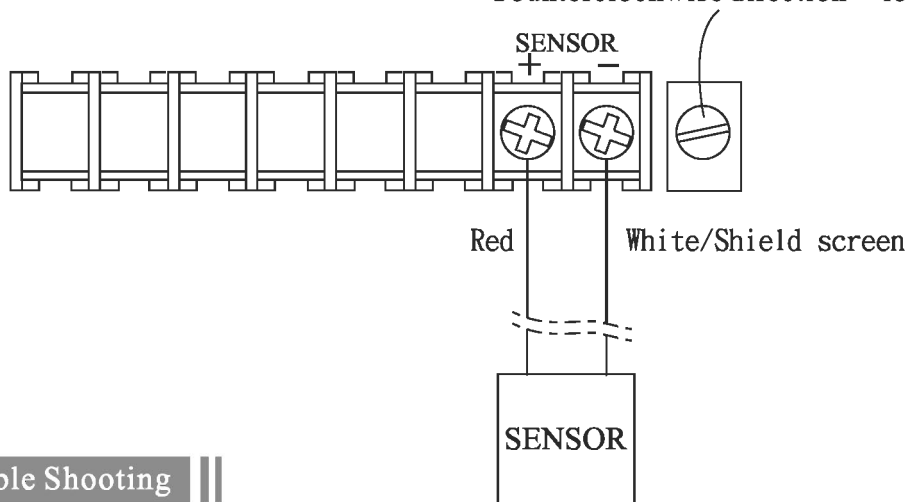


Controller will speed motor running when Alarm switch is closed. As the Alarm signal vanish, motor speed will back to normal. If Alarm Signal lasts for some time (depends on Controller Panel Setting), Motor will be shut down by Control Panel.

Attention

1. Seam Detector should keep away from devices like Drill or Motor with strong magnetic field to avoid interference.
2. To avoid interference, the length of signal cable should be as short as possible. If long cable is required, the extensive white wire and extensive shield screen should be connected first, then connecting them with initial white/shield screen. Also, extension red wire connects with initial red one. Finally, fixed all of them with adhesive tape.
3. Be very careful the connected positions for red and white wire. (as shown at picture below)

Picture remark:
Sensitivity- adjustment:
Clockwise direction → high sensitivity
Counterclockwise direction → low sensitivity



Trouble Shooting

Installation:

- Drill hole (91.6Wx 45.3H) on Control Panel and then put seam controller into hole.
- To attach Fixers onto side lockers of Controller, thus push fixers backward and finally fasten bolts.

