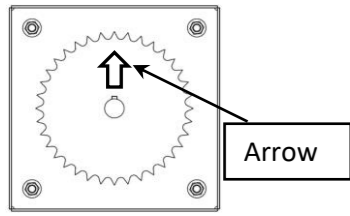


Operation guide

● SHUTTER DRUM

Set position



Before operating, pay attention to the direction of each arrow on the sprocket and make sure that all sprockets are set as the below figure. If you do not set them same as the figure, grain will leak. It causes overloading of screw conveyor and bucket elevator.

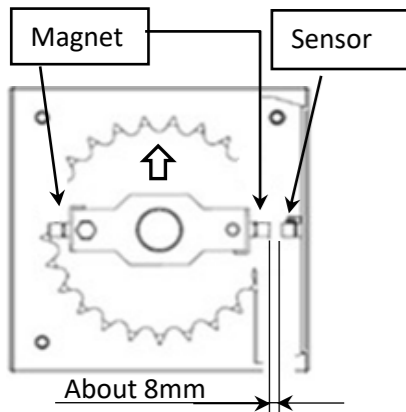
SD-120 series



SD-300 series



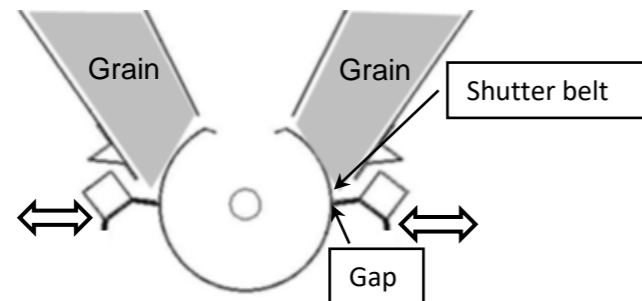
Action



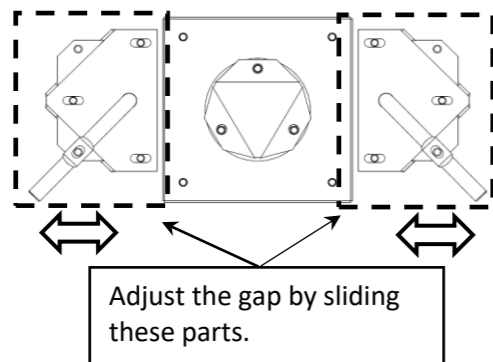
SHUTTER DRUM rotates 180 degrees for 2 times to the same direction (In total 360 degrees rotation). After that, rotating direction is switched to opposite side and these actions are repeated. SHUTTER DRUM stops at the time that the sensor detects the magnet. The standard distance that the sensor detects the magnet is about 8mm.

Adjustment of SHUTTER BELT

Before operating, make sure that there is no leakage of grain from SHUTTER DRUM. If you find the leakage, adjust the gap between SHUTTER DRUM and SHUTTER BELT.

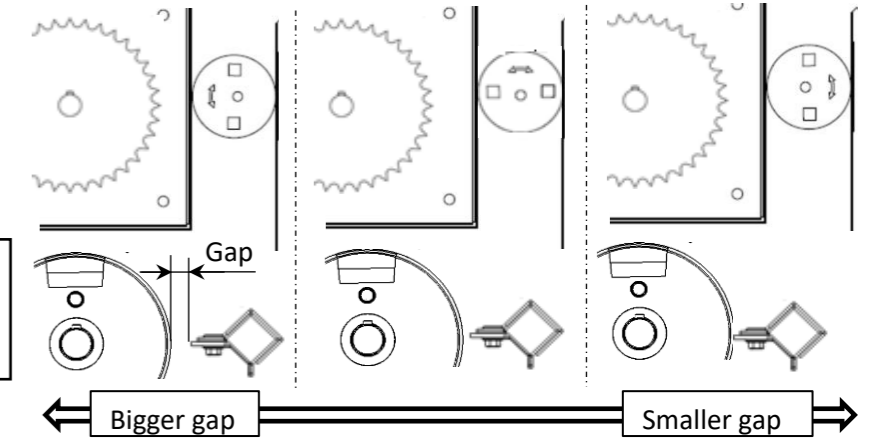
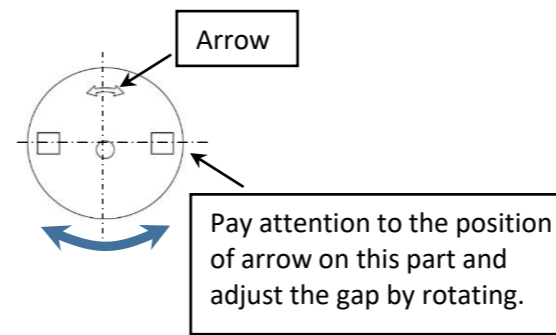




Front side



Adjust the gap by sliding these parts.

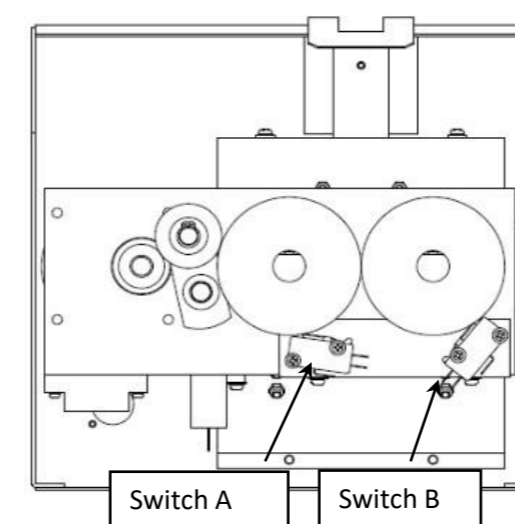
Rear side

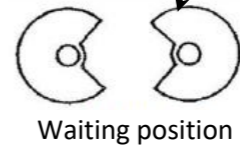




The closer the arrow [] to SHUTTER DRUM, the bigger the gap. On the contrary, the farther the arrow [] from SHUTTER DRUM, the smaller the gap.

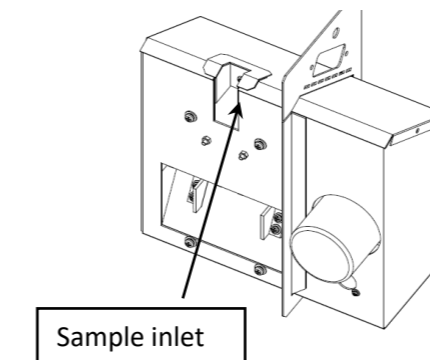
● MOISTURE SENSOR

Action



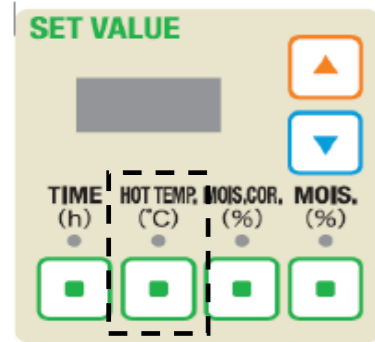
Measuring roll	
	During the halt, the measuring rolls are the waiting position. Switch A is close.
	The measuring rolls move to sampling position and wait for the coming sample for 90 seconds. Switch B is close.
	Crushing the sample, moisture value is measured. After measuring, the measuring rolls return to the waiting position and the moisture value is indicated.

Troubleshooting for .L



- ① The sample doesn't come into MOISTURE SENSOR.
→ Clean up the sample inlet and remove the foreign material in it.
- ② MOISTURE SENSOR CORD is not connected to MOISTURE SENSOR absolutely.
→ Insert the cord until you hear a clicking sound.
- ③ As the brake shoes of the motor are worn out, the motor cannot stop the correct position and continues to run.
→ Replace the motor.
- ④ The actual moisture is below 12% (paddy) or 10% (wheat).

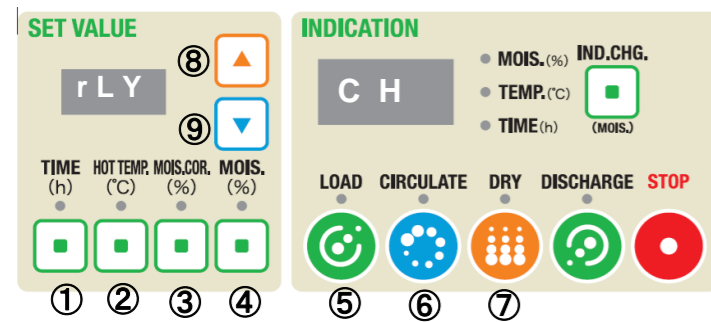
● **Setting for HOT TEMP.**



Hot air temperature can be set between 40°C to 80°C. If you set OFF, the hot air temperature is set automatically according to the ambient temperature, moisture value, and loaded amount.

● **Individual motor operation**

Turning on the power switch while pressing STOP switch, [rLY] and [CH] are indicated. In this mode, all motors can be run individually by pressing each switch.



② and ⑥ are SD-300 series only.

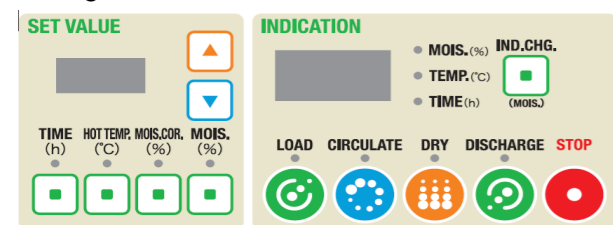
No	Item	SET VALUE
①	Blower 1	[F][n][1]
②	Blower 2	[F][n][2]
③	Suction blower	[b][L][O]
④	Lower screw	[U][n][C]
⑤	Bucket elevator	[L][F][t]
⑥	Upper screw	[U][P][c]
⑦	Shutter drum	[S][t][d]
⑧	Damper	[d][P][r]
⑨	Adjuster	[H][C][L]

Warning

Be careful to use. When you take the wrong usage, it might lead to the serious damage of the machine or result in fatal accident.

● **Stored-internal data**

During the halt, internal data can be checked by following switch.



Switch	Indication
IND. CHG.	Operating time
STOP + DISCHARGE	Memory card number
STOP + CIRCRATE	Self check

Operating time example

SET VALUE	INDICATION	Meaning
[1][2][3]	[4][5][6]	123,456 hours

Memory card number example

SET VALUE	INDICATION	Meaning
[1][0][0]	[2][0][0]	Card number "100-200"

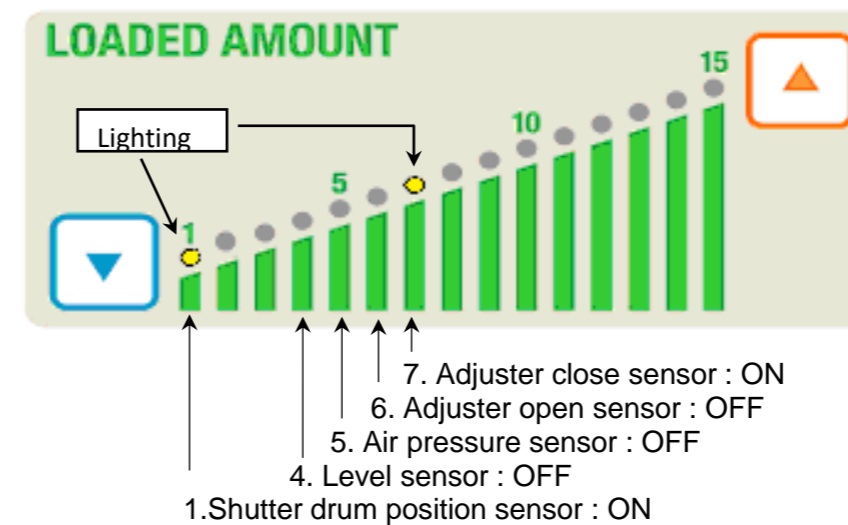
Self check

Every time you press IND. CHG switch, the present status of each sensor is indicated in following order.

Item	SET VALUE	INDICATION	Meaning
1 All LED check			7SEGx2 and all LED lights are flashed.
2 Air TEMP	[A][][]	[x][x][]	Ambient air temperature.
3 Hot air TEMP	[H][][]	[x][x][]	Hot air temperature.
4 Set TEMP	[S][][]	[x][x][]	Set hot air temperature.
5 Moisture value	[][][]	[x][x][x]	Moisture value. Generally, L is indicated.
6 DIP switch 1	[1][][x]	[x][x][x]	Status of DIP switch. 1 means ON and 0 means OFF.
7 DIP switch 2	[2][][x]	[x][x][x]	
8 DIP switch 3	[3][][x]	[x][x][x]	
9 DIP switch 4	[4][][x]	[x][x][x]	
10 Sensor input	[][S][r]	[l][n][]	Status of each sensor is indicated by using LOADED AMOUNT indication.

Do not change the setting of DIP switch without permission of the dealer.

10 Sensor input



Light ON : The point is close.
Light OFF : The point is open.

For example, the left figure means,

- 1. Shutter drum position : Default position
- 4. Loaded amount : Not full
- 5. Air pressure : No air flow
- 6, 7. Adjuster : Close