



**GARBAGE CHUTES
OPERATION MANUAL**

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System Identification and Operation

Intake Doors:

Manufacturer:	CONTRA INTERNATIONAL
Designation:	Intake Door
Model:	HB-4060
Material:	Stainless Steel
Frame Dimensions:	500x700mm
Opening Clearance:	400x600mm
Bag Clearance:	380x400mm

Maintaining Intake Doors is one of the most important durability improvement factors.

On a monthly basis, operator must verify:

- a) Proper lock/unlock procedure of every door.
- b) Pilot lights are functioning properly; when one door is opened, all other doors RED lights are **ON**. When all doors are closed all GREEN lights are **ON**.
- c) That the lock is rigidly fit on the door.
- d) That the door is completing Self – Close process correctly.
- e) That the rubber frame is in good condition.

In case any of the above is damaged please contact us for proper technical evaluation.

Electrical Locks:

Manufacturer:	OEM-Hentech
Designation:	Safety Lock for Special Doors
Model:	NVO - C
Working Voltage:	12 ~ 24 VDC
Power Consumption:	150 ~ 200 mA

Light Emitting Diodes (LED):

Manufacturer:	Various
Designation:	Light Indicator
Model:	LED-R and LED-G
Working Voltage:	12 ~ 24 VDC
Safety Class:	IP65
Working Temperature:	-30°C ~ +80°C

Sanitizing Unit :

Manufacturer: CONTRA INTERNATIONAL
Designation: Sanitizing Unit
Model: SU-001-22VAC
Working Voltage: 220V AC
Safety Class: IP55
Volume: 1 liter
Dosing Range: 0.1% ~ 3%

The Sanitizing Unit is responsible for keeping your system hygienic and bacteria free. The construction of the sanitizer pump is specially made to be used with SL001 Sanitizing Liquid.

Do not use commercial types of liquid; you might damage the pump body and void the product warranty.

The Sanitizing Unit is originally scheduled to run at a preset time which can be modified to suit your requirements. Contact our qualified technician to change the time setting.

Depending on the frequency of cleaning the Sanitizing Liquid tank needs to be replenished. To do this:

Turn OFF the unit by setting selector switch to 0.

- Open Sanitizing Unit with the special key (provided).
- Open the Plastic container and remove cover.
- Lift the container by slightly pushing it from below.
- Away from any live wires, fill with SL001 Liquid to Max level.
- Set the container cover back
- Set the container back in its original position.
- Wipe away any spilled liquids
- Close the Sanitizing Unit
- Remember to turn the Sanitizing unit back ON otherwise it will not work.

Brushing System:

Manufacturer: CONTRA INTERNATIONAL
Designation: Electrical Brushing Unit
Model: EBU-XXX (XXX = 400/500/600)
Working Voltage: 220V AC
Safety Class: IP55

The Brushing System functions automatically with the sanitizing unit during cleaning operations. It removes any garbage stuck on the chute wall and eliminates foul smell and localized bacteria.

The Brushing system can be run manually from the Master Controller or automatically through the preset timer. During this time (30 ~ 60 min.) all doors are closed and the system is in accessible for safety purposes. The Brush will come down all the way, stop for 15 minutes and then go back up to be parked.

On a yearly basis, the brush bristles might need to be replaced depending on the frequency of usage.

**Do not attempt to catch or stop the brush during its descent or ascent
To allow the brush to run automatically make sure the selector switch is in Auto position.**

Fire Sprinklers:

Manufacturer:	Lifeco UK
Designation:	UL listed Fire Sprinklers
Model:	Lifeco 004
Burst Temperature:	68°C

The installed Sprinklers are UL Listed and rated @ 68 degrees centigrade. In case of fire or breakage no warranty is made whatsoever on the proper operation of the sprinklers if the replacement bulb is not supplied by us.

Master Controller:

Manufacturer:	CONTRA INTERNATIONAL
Designation:	Master Control Panel
Model:	MCP-B
Working Voltage:	220V AC
Safety Class:	IP55
PLC manufacturer:	MOELLER or EQUIVALENT

The Master Controller is the brain of your system. It contains both low and high voltage live wires

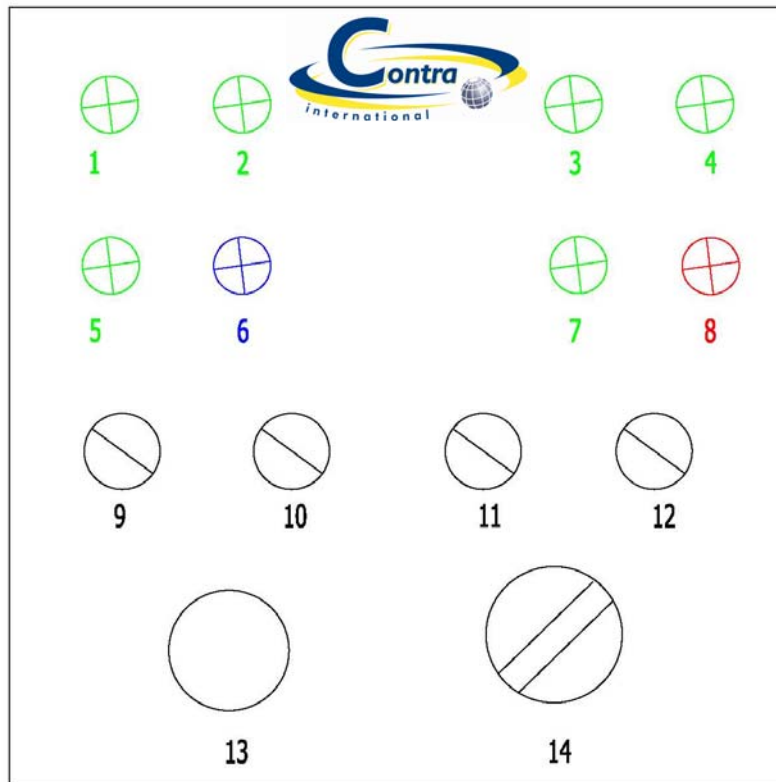
ONLY allow qualified people to perform works on this unit.

Operation:

The master controller is the brain of your system. It allows you to control every aspect of the garbage chute both manually and automatically.

IF YOU HAVE PROBLEMS USING THE CONTROLLER CONTACT YOUR SYSTEM OPERATOR IMMEDIATELY!

Identification:



LEGEND

1. Control Voltage 24VON
2. Control Voltage 220VON
3. Exhaust Fan ON
4. Cleaning System ON
5. ALL DOORS CLOSED
6. ONE DOOR OPEN
7. Compactor ON
8. Compactor FAULT
9. Exhaust Fan ON/OFF SELECTOR
10. ALL DOORS LOCK ON/OFF SELECTOR
11. CLEANING SYSTEM ON/OFF SELECTOR
12. COMPACTOR AUTO/HAND SELECTOR
13. EMERGENCY STOP
14. MAIN ISOLATION SWITCH

Connection of power supply may only be carried out by trained personnel with a good knowledge of regulations needed. Open control panel and insert power cables.

Connect wires to the correct terminals (L-N-E).

Connect fan cables to terminals as indicated in inlay (220 V AC)

Connect brush cables to terminals as indicated in inlay (220 V AC)

Connect sanitizing unit to terminals as indicated in inlay (220 V AC)

Connect the electrical locks to terminals as indicated in inlay (24 V DC)

Connect the compactor lines to terminals as indicated in inlay (Dry)

Before Powering Up Check the following:

- That all connections are in their correct position and tight.
- That a water source is connected to the sanitizing unit
- That cables were not damaged while being laid
- That disinfecting unit is filled with proper liquid SL-001

In AUTO mode the controller locks all doors during the cleaning process, when the compactor is operating and in case of fire (with optional FIRE-M interface module). At a preset time, the sanitizing unit is turned on once (or more) a week and the brush performs one complete cycle all while all intake doors are locked.

If the brush selector switch is in AUTO mode, the brush comes down at a preset time (default time every Wednesday at midnight), stops for 15 minutes and then goes back up to be parked. In MANUAL mode, the controller locks all doors and the brush runs a complete cleaning cycle. The time required for such a cycle depends on the floor span. Typically 30 ~ 60 minutes.

For maintenance and compactor room cleaning, the operator **MUST LOCK ALL DOORS** prior to commencement. This is done by simply positioning the corresponding switch number (5) in the ON position. During this time all doors are locked and the operator can safely perform inspection, cleaning, or maintenance activities.

Whatever operation sequence is being executed, pressing the **EMERGENCY STOP BOTTON** cuts off power from the whole system. Make sure to depress this button to bring the system back to normal. **DO NOT USE THE EMERGENCY BUTTON TO PERFORM CLEANING AND MAINTENANCE SERVICES. USE THE 'LOCK ALL DOORS' INSTEAD.**