THE FOLLOWING ARE CAUTIONARY STATEMENTS THAT MUST BE READ AND FOLLOWED DURING BOTH INSTALLATION AND OPERATION

WARNING: Raritan Engineering Company, Inc. recommends that a qualified person or electrician install this product. Equipment damage, injury to personnel or death could result from improper installation. Raritan Engineering Company, Inc. accepts no responsibility or liability for damage to equipment, or injury or death to personnel that may result from improper installation, trouble shooting, repairs to or operation of this product.

WARNING: HAZARD OF SHOCK AND FIRE - Always use recommended fuse/circuit breaker and wire size.

WARNING: HAZARD OF FLOODING - Always shut off seacocks before leaving boat unattended.
Double clamp all hose fittings below the waterline, check hose clamps frequently for integrity.

WARNING: The Lectra/San MC operates on an Electrochemical principle. Introduction of any substance other than salt water, human waste, Raritan Concentrate, Raritan C.P. or toilet tissue may cause heat build up and extensive damage. If any other substance is introduced by accident, the Lectra/SanMC must not be turned on until entire system is flushed out with water.

Lectra/San MC with control

optional salt feed systems

The Lectra/San® MC (LST/MCT™) is a U.S. Coast Guard Certified Type I Marine Sanitation Device for use on inspected and uninspected vessels 65 feet and under. It must be operated within areas that are not declared a Federal No Discharge Zone (NDZ) by the U.S. Environmental Protection Agency (EPA). This is applicable for all U.S. territorial waters inside the three mile limit. Other countries - check with local authorities.

LST/MC is designed for recreational use and accommodates most marine toilets* it can be used with one or, in some cases, two toilets. The Lectra/San MC is available in 12, 24 or 32 V DC.

The system consists of a Control Indicator Panel and Treatment Tank. A salt feed system must be utilized if operating in fresh or brackish water.

* for use with the VacuFlush® marine toilet manufactured by Sealand Technology, Inc. (See Application note L286)
VacuFlush® is a registered trademark of Sealand Technology, Inc.
Lectra/San® is a trademark of Exceltec.
LST/MC™ is a trademark of Raritan Engineering Co., Inc.
Single Button operation -
Both toilet and Lectra/SanMC are operated by one of the following options:

Option #1:
Control Indicator Pad (LST/MC Touch Pad)
"Push to Flush" button activates both the toilet and treatment cycle. Button may be pressed as often as necessary to flush toilet until Normal Treatment light (green) begins to blink 35 seconds after activation.
Note: Toilet flush time is factory preset for 8-12 seconds and is adjustable, see diagram adjusting flush time under installation/wiring.

Option #2:
Toilet Push Button -
Flushing toilet will activate treatment cycle. Flush toilet as often as necessary until Normal Treatment light (green) begins to blink.

Independent Button operation -
"Push to Flush" button must be pressed before toilet is flushed. Flush toilet as often as necessary until Normal Treatment light begins to blink 35 seconds after activation.

To Stop Treatment Cycle -
"R" button stops the treatment cycle should a foreign object accidentally enter the treatment system. If wired per option #1 the "R" will also stop the toilet from flushing.

Notes:
1) Total flush volume must not exceed 1.5 gallons (5.7 liters) per cycle.
2) Operating with yellow light for extended periods will damage electrode and void warranty

How it works -
Each time toilet is flushed an equal amount of previously treated waste is discharged. The Lectra/San does not pump waste out, the flushing action of the toilet moves the waste through the Lectra/San.
The first chamber macerates to reduce particle size. The second chamber mixes to ensure uniform treatment of contents. The electrode plates, when electricity is applied, generates bactericide in both chambers.
When activated both motors come on and run for the entire cycle. The user then has up to 35 seconds to flush toilet. After 35 seconds the electrode is energized to begin the treatment process. The treatment process lasts for about 2 minutes.
Note: If the green light is not flashing during treatment, the cycle has been automatically extended to ensure proper treatment. The unit MUST not be operated in extended cycle for long periods as damage to electrodes will occur. Immediately attempt to determine and fix an amber or red light condition.
Cleaning Instructions

IMPORTANT: Do not use bowl cleaners that contain ammonia, ethyl acetate, phosphoric acid or concentrated chlorine bleach. These will cause damage to treatment system. C.P. is the only toilet bowl cleaner recommended by Raritan.

Using Raritan’s C.P. Cleans Potties (part #1PCP22), a bio-enzymatic toilet bowl cleaner, will keep the bowl clean and fresh smelling and won’t damage the treatment system.

Recommended Visual Inspection
✓ For leaks at hose connections
✓ Hose clamps
✓ Condition of hoses
✓ Seacocks
✓ Condition of wires and connections

Treatment/Electrode cleaning

Note: Cleaning is recommended every two years with recreational use or if amber light is always on during treatment cycle.

1. Activate the LST/MC and flush toilet several times, allowing all waste to be treated.
2. Turn off water supply and flush toilet as dry as possible.

NOTE: Check toilet manufacturer’s instructions to ensure no damage is done to any components.

3. Turn off power and disconnect wires to LST/MC.

WARNING: LST/MC must not be activated while muriatic acid solution is in the system.

4. In plastic bucket combine 1.5 pints (.852 liters) of muriatic acid with 3 gallons (13.635 liters) of fresh water.

WARNING: Add acid to the water, DO NOT place acid in the container first.

5. Carefully pour solution into the toilet and flush until bowl is as dry as possible.

6. Pour one gallon (3.8 liters) of additional fresh water into bowl to dilute any acid remaining.

7. Allow to stand for a minimum of 45 minutes.

8. Turn on water supply and flush a minimum of 10 gallons (38.0 liters) of water to dilute and discharge muriatic acid solution.

9. Reconnect wires and restore power to LST/MC.

Storage

Short Term - If system will not be used for a week flush toilet and run treatment cycle several times.

Long Term - If system will not be used for several weeks flush toilet and run treatment cycle several times. Then flush freshwater into system. Prior to use - flush toilet several times to refill treatment tank with ocean salinity salt water.
IMPORTANT
• Improper winter lay up is a major cause of failure.
• Flush toilet and activate Lectra/San several times.

Steps
1. Activate the LST/MC and flush toilet several times, allowing all waste to be treated.
2. Turn off water supply and flush toilet as dry as possible.
NOTE: Check toilet manufacturer's instructions to ensure no damage is done to any components.
3. Turn off power and disconnect wires to LST/MC.
5. Remove control cover and slowly open cross-over cap.
Caution: Open cap slowly as unit may be under pressure.
5. Using a pump, remove water from both sides of the treatment tank through crossover cap.
6. Disconnect and drain hoses.

Recommissioning & Start-Up
1. Reconnect hoses and open seacocks.
2. Reconnect wires and turn power on.
NOTE: LST/MC treatment tank must be full before activating a cycle.
3. Flush toilet using one of the following methods to fill the treatment tank with salt water.
   • Single button operation - Press "Push to Flush" while holding down the "R" button, correct operation is indicated by center Amber light on.
   • Separate operation - flush toilet allowing three gallons of water to pass into LST/MC.
   • Toilet operates LST/MC - you must disconnect power from LST/MC while flushing to allow three gallons of water to pass into LST/MC.
NOTE: In fresh and brackish water operation salt content of treatment tank must be ocean water salinity prior to using unit for treatment. Ocean water salinity is 4% or approximately four ounces of salt to one gallon of water.
4. Inspect all connections for leaks.
5. System is ready for use.
U.S.C.G. Type I MSD Certification #159.015/0107/1

Maximum Roll/Pitch Angle: 30°
Maximum Temperature Exposure: 120° F (49° C)
Maximum Total Flush Volume: 1.5 gallons/flush (5.7 liters/flush)
Designed for recreational use - heavier use may require more frequent replacement of electrode pack.

NOTES: for Wiring

1. Distances are from source to unit and back to source.
2. Recommended conductor wire minimum AWG (mm²) for 3% voltage drop.
3. Recommended conductor sizes are based on 105°C rated insulation. Refer to ABYC Standards for other insulation ratings.

Recommended Wire and Fuse/Circuit Breaker Size

<table>
<thead>
<tr>
<th>Units Voltage</th>
<th>Circuit Breaker/Fuse size (amps)</th>
<th>Amp. draw @ nominal voltage</th>
<th>10 feet</th>
<th>15 feet</th>
<th>20 feet</th>
<th>25 feet</th>
<th>30 feet</th>
<th>40 feet</th>
<th>50 feet</th>
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<tbody>
<tr>
<td>12 VDC</td>
<td>60</td>
<td>50</td>
<td>6 AWG</td>
<td>6 AWG</td>
<td>4 AWG</td>
<td>4 AWG</td>
<td>2 AWG</td>
<td>2 AWG</td>
<td>1 AWG</td>
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<tr>
<td>24 VDC</td>
<td>50</td>
<td>42</td>
<td>10 AWG</td>
<td>8 AWG</td>
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<td>6 AWG</td>
<td>6 AWG</td>
<td>4 AWG</td>
<td>4 AWG</td>
</tr>
<tr>
<td>32 VDC</td>
<td>50</td>
<td>35</td>
<td>12 AWG</td>
<td>10 AWG</td>
<td>10 AWG</td>
<td>8 AWG</td>
<td>8 AWG</td>
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FUSE SPECIFICATIONS

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<th>24 VDC</th>
<th>32 VDC</th>
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<tr>
<td></td>
<td>Fuse type</td>
<td>Maximum amperage part number</td>
<td>Fuse type</td>
</tr>
<tr>
<td>FUSE A</td>
<td>MDL 8 1/4</td>
<td>32-218</td>
<td>MDL 8 1/4</td>
</tr>
<tr>
<td>Mixer Motor</td>
<td>5 amp draw</td>
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<td>4 amp draw</td>
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<tr>
<td>FUSE B</td>
<td>MDL 30</td>
<td>32-220</td>
<td>MDL 30</td>
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<tr>
<td>Electrode Pack</td>
<td>25 amp draw</td>
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<td>22 amp draw</td>
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<tr>
<td>FUSE C</td>
<td>MDL 30</td>
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<tr>
<td>Macerator Motor</td>
<td>20 amp draw</td>
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<td>16 amp draw</td>
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CONVERSIONS

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<tbody>
<tr>
<td>AWG</td>
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<tr>
<td>mm²</td>
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</table>

Salt Feed System Options

IMPORTANT:
A salt feed tank is required when operating system with fresh or brackish water. Operating in low salt conditions without the addition of salt will shorten life expectancy of the electrode plate and will void warranty.

The following are available to purchase:
NOT FOR USE WITH TOILETS THAT USE PRESSURIZED FRESH WATER:
Two Gallon (7.6 liters) Salt Feed Tank
(Part #31-3001) - Tank must be filled with a saturated salt solution which is dispensed via a T-check valve into incoming water. One system per toilet. For use in slightly brackish water, if used in fresh water tank will only last for approximately 15 flushes of the toilet.

Four Gallon (15.2 liters) Salt Feed Tank
(Part #31-3002) - Tank must be connected to pressurized fresh water and filled with solar salt. The saturated salt solution is dispensed via a T-check into incoming water. One system per toilet. Requires manual adjustment as water salinity changes.

FOR USE WITH ANY LECTRA/SAN M/C SYSTEM WHERE SALT MAY BE NEEDED AND IS NECESSARY FOR ALL TOILETS THAT USE ON-BOARD PRESSURIZED FRESH WATER:
Four Gallon (15.2 liters) Salt Feed Tank with Pump
(Part #32-3003 12 Volt and #33-3003 24 Volt) The tank must be connected to pressurized fresh water and filled with solar salt. The pump is controlled by the MC Circuit Board. This system can only be used with the LST/MC. One system per LST/MC. This is the most accurate system to use as the amount of saturated salt solution is controlled by the actual operating conditions of the Lectra/San MC.
Parts Included with the LST/MC
- 1 1/2" hose adapters (2)
- 1 1/2" NPT Intake Plug
- 90° 1 1/2" slip PVC fitting
- control indicator panel with cable

Optional Parts available for purchase:
- Dual Control
- Salt Feed Systems
- Manual head sensor for automatic activation

Parts Required (not included)
- tape or nonpermanent thread sealing compound
- PVC Cement
- 1 1/2" (3.8 mm) I.D. sanitation hose (Raritan part # SH)
- Hose clamps
- 1" (2.54 cm) x 1" (2.54 cm) wood strips and fasteners to secure to floor (wooden frame)
- 3/4" (1.9 cm) strapping
- Electrical connections, wire and fuse or circuit breaker

NOTE:
Discharge of raw, untreated sewage is prohibited in all U.S. waters inside the three mile limit except in the Gulf of Mexico where the limit is nine miles. "Y" valves, if installed, must direct toilet discharge to a U.S.C.G. approved treatment system or holding tank and must be secured in that position while inside the three-mile limit.

The EPA standards state that in freshwater lakes, freshwater reservoirs or other freshwater impoundments whose inlets or outlets are such to prevent the ingress or egress by vessel traffic subject to this regulation, or in rivers not capable of navigation by interstate vessel traffic subject to this regulation, marine sanitation devices certified by the U.S. Coast Guard installed on all vessels shall be designed and operated to prevent the overboard discharge of sewage, treated or untreated, or any waste derived from sewage. The EPA standards further state that this shall not be construed to prohibit the carriage of Coast Guard-certified flow-through treatment devices which have been secured so as to prevent such discharges. They also state that waters where a Coast Guard-certified marine sanitation device permitting discharge is allowed including coastal water estuaries, the Great Lakes and interconnected waterways, freshwater lakes and impoundments accessible through locks, and other flowing waters that are navigable interstate by vessels subject to this regulation (40 CFR 140.3)

MOUNTING

Treatment Tank
WARNING: DO NOT locate in an area where ambient temperature exceeds 120° F (49° C).
Note: Control board is located under control cover and should be accessible after installation
1. Locate top of treatment tank at or below discharge of toilet and within six feet (1.5 m).
   Note: If mounting treatment tank higher than discharge, Contact Raritan
2. Make and secure mounting frame to flat surface.
3. Secure tank to frame using 3/4" (1.9 cm) mounting straps.
   Note: Placing a 3/8" (.9 cm) rubber pad under tank will help to reduce vibration and noise.

Control Indicator Panel
Note: Cable supplied is 14 feet (4.25 m) if required, a 25 foot (7.62 m) cable is available.
1. Locate in head compartment where indicator lights will be visible.
2. Using template provided, mark the cutout for the panel.
3. Route cable between Control Indicator Panel and LST/MC Treatment Unit.
4. Plug cable into back of indicator panel.
5. Mount panel using 4 screws. Apply a bead of nonpermanent sealant around rear edges of panel if located in shower area.
PLUMBING

WARNING:
- All installations made below the waterline MUST be protected by installing vented loops in proper location
- Always double clamp fittings below waterline
- Do Not use metal fittings

NOTE: Use tape or nonpermanent thread sealing compound on threaded PVC fittings and connections. Avoid low areas in hose that would allow untreated waste to collect.

1. Connect discharge of toilet to one inlet port.
2. Insert plug or second toilet discharge into other inlet port.
3. Determine position and glue discharge elbow to top of tank using PVC cement.
4. Connect discharge hose from elbow to thru hull fitting.

WIRING

WARNING: Hazard of Shock and Fire
- Always use proper wire, wire connectors and fuse/circuit breaker. See Specification Chart.
- Secure wire properly.
- Do not connect other appliances to Lectra/San circuit.
- Make sure power is off before proceeding.
- Improper wiring can damage the Circuit Board and void warranty.

Treatment Unit
1. Determine proper wire size from wire chart on specifications page.
2. Run supply wire from source to Positive (POS) and Negative (NEG) terminals on Treatment tank.
3. Fuse or circuit breaker must be installed between source and LST/MC on positive wire.

NOTE: Future access to control assembly is imperative. If unit is installed in an area where access will be difficult contact Raritan for instructions on mounting the control module remotely.

Control Indicator Panel
1. Connect cable from Control Indicator Panel to Circuit Board panel 1 jack.
2. Secure cable strain relief.
3. Follow same procedure to panel 2 jack if second toilet connected to LST/MC.
Single Button operation -
Both toilet and Lectra/San are operated by one of the following options:

NOTES:
- Use only a solenoid/relay with an isolated coil Raritan part number CDS* (*specify voltage)
- Connect only the solenoid/relay (CDS) coil to toilet 1 or 2 output on the circuit board. DO NOT connect toilet negative and positive directly to outputs.
- Do Not connect switches or any other components to the Toilet 1 or 2 outputs.
- Do not connect any additional wires to CDS other than wiring in diagrams shown in this guide.

Option #1:
Control Indicator Pad (LST/MC Touch Pad)
"Push to Flush" button activates both the toilet and treatment cycle.
Note: Toilet flush time is factory preset for approximately 8-12 seconds and is adjustable.
1. Determine proper wire size from toilet manufacturer.
2. Connect wire from lug not marked "BAT" on the CDS to toilet positive.
3. From top posts of CDS connect positive and negative to toilet 1 or 2 outputs on circuit board utilizing 3 amp fuse in positive line.
4. Connect wire from positive source to Raritan CDS (solenoid/relay) post marked "BAT" utilizing proper fuse in positive line.
5. When Push to flush button is pressed both toilet and Lectra/San will activate. Toilet flush time is controlled by Control Indicator Panel and can be adjusted - factory preset is for approximately 10 seconds.

NOTE: If installation is done with a Raritan A5 or A6 Atlantes the flush time adjustment on the back of the control indicator panel must be set to the minimum. See Atlantes manual to adjust flush time.

Option #2:
Toilet Push Button -
Flushing toilet will activate treatment cycle.

Toilet Push Button
1. Determine proper wire size from toilet manufacturer.
2. Connect wire from lug not marked "BAT" on the CDS to toilet positive.
3. Connect wire from top post of CDS to one of the ext. trig. (external trigger) outputs.
4. Connect wire from positive source to Raritan CDS (solenoid/relay) post marked "BAT" utilizing proper fuse in positive line.
5. When Toilet Push Button is pressed both toilet and Lectra/San will activate.
When "Push to Flush" doesn't activate system
- No Power to unit
  - Check circuit breaker or main fuse to unit
  - Check wiring to unit
- Open or loose connection
  - Check and clean wiring connections
- Circuit board fuse
  - Check circuit board fuse
- Damage to circuit board
  - Check for burned foils, replace if necessary
- Inoperative control indicator panel
  - Check, replace if necessary
- Damage to control indicator panel cable
  - Check, replace if necessary

Red light on, not blinking
- Fuse blown
  - Check fuse A, B and C on control module
- Damage to circuit board
  - Check, replace if necessary
- Inoperative solenoid
  - Replace solenoid
- Damaged control module wire harness
  - Replace wire harness
- Bad fuse block or weak fuse holders
  - Replace fuse block

Amber or Red light slow blink-1 blink per second
- Low salt
  - Add salt to system, install salt feed system if operating in fresh or brackish water
- Build-up on electrode pack
  - Clean following instructions in Maintenance
- Non-functioning electrode pack
  - Check, replace if necessary

Amber or Red light fast blink-2 blinks per second
- Low voltage
  - Discharged or bad battery, charge or replace undersized wiring, check specification chart
- Drop in line voltage
  - Check voltage between B fuse and negative post
- Other equipment operating on same circuit as LST/MC
  - Isolate LST/MC
- Open or loose connections
  - Check and clean wire connections

Sewage Odor
- Odor permeating through hose or connections
  - Rub damp rag on hose, if odor transfers to rag hose needs to be replaced with high quality sanitation hose Raritan part # SH
- Treatment unit is leaking
  - Follow discharge hose from toilet to tank, lift blue cover (31-460) and check area around motors too
- Electrode not functioning properly
  - Follow above for Amber and Red light conditions
- LST/MC not being activated with each flush
  - System must be activated with each flush
- Treatment unit not being stored properly
  - See Storage under Maintenance

CONTROL MODULE

ext. trig. and POS - use to troubleshoot control indicator panel and cable problems

 Posts for testing electrode pack

Troubleshooting some of the system functions:

Panel and cable problems:
Using a short piece of wire with an alligator clip at one end. Clip alligator end to ext. trig. tab on circuit board and momentarily touch POS post on control module.
If cycle starts - replace panel and cable
If cycle does not start - replace circuit board

Electrode Pack:
use a digital meter set for milli-volts DC.
Connect to the posts as shown in diagram above:
18 milli-volts or higher - OK
14 milli-volts or lower -

NOTE: Low milli-volts will also occur if the Lectra/San tank is not filled with a 4% saltwater solution. Contact Raritan Customer Service.
**NOTE:** When replacing existing or new motor(s), clean area around motor mounting bolts with PVC cleaner before applying silicone caulking to motor holddown bolt heads (31-106). Dispense enough sealant to cover an area three times greater than the bolt heads to avoid leakage through bolt holes.

* See specification page for fuse part numbers
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<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>TREATMENT UNIT</th>
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</thead>
<tbody>
<tr>
<td>32-102A**</td>
<td>Mixer Motor 2 1/2&quot; Dia. 12 VDC</td>
<td><strong>DESCRIPTION</strong></td>
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<td>33-102A**</td>
<td>Mixer Motor 2 1/2&quot; Dia. 24 VDC</td>
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<td>34-102A**</td>
<td>Mixer Motor 2 1/2&quot; Dia. 32 VDC</td>
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<td>31-121</td>
<td>Hose Fitting (2)</td>
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<td>31-120</td>
<td>Discharge Elbow 90°</td>
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<td>M30</td>
<td>Electrode Flat Washer, 1/4&quot;, Brass (4)</td>
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<td>Electrode Lug Nut, 1/4&quot;-20 Brass (4)</td>
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<td>31-103</td>
<td>Motor Shaft Bushing (2)</td>
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<td>10-32x7/8&quot;RHMS,S/S (22)</td>
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<td>31-107</td>
<td>Macerator Impeller</td>
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<td>31-101W</td>
<td>Treatment Cover (Inc. 7, 20,21 and 22)</td>
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<td>31-104C</td>
<td>Crossover Plug</td>
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<td>31-105</td>
<td>O-Ring</td>
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<td>32-3003</td>
<td>Four gallon salt feed tank w/12 volt pump (not shown)</td>
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<td>Four gallon salt feed tankw/24 volt pump (not shown)</td>
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<td>32-601</td>
<td>Circuit Board, 12V</td>
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<td>33-601</td>
<td>Circuit Board, 24V</td>
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<tr>
<td>34-601</td>
<td>Circuit Board, 32V</td>
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<tr>
<td>EPSFA</td>
<td>F1 - 5 Amp Fuse, fast acting</td>
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<tr>
<td>AM06012</td>
<td>Solenoid Relay (2) - 12V</td>
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<td>AM06024</td>
<td>Solenoid Relay (2) - 24V</td>
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<td>Solenoid Relay (2) - 32V</td>
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<tr>
<td>RBS501</td>
<td>Shunt 50 mv 50 amp LST/MC</td>
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<tr>
<td>31-402A</td>
<td>Wiring Harness Assy.</td>
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</tr>
<tr>
<td>M30</td>
<td>1/4 - 20 Brass Nut (8)</td>
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<tr>
<td>HLPWQB</td>
<td>1/4&quot; Lockwasher (6)</td>
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<tr>
<td>M31</td>
<td>#14 Brass Flat Washer (7)</td>
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<tr>
<td>HSB1</td>
<td>1/4 - 20 Brass Cup Screw (2)</td>
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<td>RNI</td>
<td>Nylon Shoulder Washer (3)</td>
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<tr>
<td>1119A</td>
<td>1/4 - 20 x 1/2&quot; S/S Hex Head Machine Screw (4)</td>
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<td>1118</td>
<td>1/4&quot; External Tooth Washer (5)</td>
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<tr>
<td>1226B</td>
<td>1/4 - 20 S/S Hex Head Nut (4)</td>
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<td>31-476</td>
<td>Nylon Spacer Washer (2)</td>
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<td>F31-480</td>
<td>Nylon Stand Offs: PCB Supports (4)</td>
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<td>FO69</td>
<td>Gray Fiber Flat Washer</td>
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<tr>
<td>F31-478</td>
<td>Threaded Rod 1/4 - 20 x 2&quot; Brass</td>
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<tr>
<td>31-464</td>
<td>Bracket</td>
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<tr>
<td>31-232</td>
<td>Fuse Block</td>
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<td>31-466</td>
<td>Bracket</td>
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<tr>
<td>31-469</td>
<td>Copper Bracket</td>
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<td>31-468</td>
<td>Bracket (not shown)</td>
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<tr>
<td>31-470</td>
<td>Cond. Bracket</td>
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<tr>
<td>32-602</td>
<td>12V Assy, (incl. all above parts except 1 and 2)</td>
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<tr>
<td>33-602</td>
<td>24V Assy, (incl. all above parts except 1 and 2)</td>
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<tr>
<td>34-602</td>
<td>32V Assy, (incl. all above parts except 1 and 2)</td>
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<tr>
<td>31-603</td>
<td>Control Indicator Panel (not shown)</td>
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<tr>
<td>31-604</td>
<td>Control Indicator Panel Cable (not shown)</td>
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<tr>
<td>31-605</td>
<td>Activator Assembly for Manual Toilets (not shown)</td>
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<tr>
<td>31-606</td>
<td>Pressure Switch for the Activator (not shown)</td>
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</tbody>
</table>

( ) Indicates Total pieces required
INSTALLATION OPTIONS FOR THE LECTRA/SAN MC SYSTEM

The Lectra/San MC has a variety of installation options including:

1) Installation with two marine toilets
2) Installation on Inspected Vessels
3) Direct circuit board connection when installed with the Raritan Atlantes
4) Connection to the Sealand VacuFlush®
5) Automatic activation from a manual toilet

All of the above options are covered by Technical bulletins available from Raritan by calling: 856-825-4900 or faxing in a request at: 856-825-4409 or on our website at: www.raritaneng.com

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LIMITED WARRANTY

Raritan Engineering Company warrants to the original purchaser that this product is free of defects in materials or workmanship for a period of one year from the product’s date of purchase. Should this product prove defective by reason of improper workmanship and/or materials within the warranty period, Raritan shall, at its sole option, repair or replace the product.

1. TO OBTAIN WARRANTY SERVICE, Consumer must deliver the product prepaid, together with a detailed description of the problem, to Raritan at 530 Orange St., Millville, N.J. 08332, or 3101 SW 2nd Ave. Ft. Lauderdale, FL 33315. When requesting warranty service, purchaser must present a sales slip or other document which establishes proof of purchase. THE RETURN OF THE OWNER REGISTRATION CARD IS NOT A CONDITION PRECEDENT OF WARRANTY COVERAGE. However, please complete and return the owner Registration Card so that Raritan can contact you should a question of safety arise which could affect you.

2. THIS WARRANTY DOES NOT COVER defects caused by modifications, alterations, repairs or service of this product by anyone other than Raritan; defects in materials or workmanship supplied by others in the process of installation of this product; defects caused by installation of this product other than in accordance with the manufacturer’s recommended installation instructions or standard industry procedures; physical abuse to, or misuse of, this product. This warranty also does not cover damages to equipment caused by fire, flood, external water, excessive corrosion or Act of God.

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