Specifications
Wall-hung single station fixture. Designed specifically for high traffic commercial hand washing applications. The preassembled sprayhead module is equipped with an independent stream-former that is served by an infrared sensing module and solenoid valve (Model SS-1N/IR), an independent battery IR sensor and battery (Model SS-1N/BIR3) or a push-button TouchTime® electronic metering valve (Model SS-1N/TT). Standard flow rate of 0.5 GPM meets industry standards for water conservation, while providing enough water to rinse hands quickly and efficiently. Operating range is 20–80 PSI.

Construction
Bowl and Sprayhead
Constructed of Terreon, a densified solid surface material composed of polyester resin, or TerreonRE, a densified solid surface material composed of a bio-based resin and preconsumer recycled granules. Terreon and TerreonRE are resistant to chemicals, stains, burns and impact. Surface damage can be easily repaired with everyday cleansers or fine grit abrasives. Terreon and TerreonRE are certificated by NAHB to meet ANSI Z124.3, Z124.6 and ANSI/ICPA SS-1-2001. Terreon and TerreonRE are GREENGUARD® certificated as low-emitting materials.

High Impact Polymer Trap Cover
Optional trap cover is composed of vacuum-formed acrylic laminate. It is highly resistant to impact, abrasion, acid and corrosion. The panel will not chip, peel or flake. This option is not compatible with a tankless electric water heater or a sensor-operated soap dispenser.

Stainless Steel Trap Cover
The optional stainless steel trap cover is constructed of 22 gauge Type 304 stainless steel with a #4 finish and is mounted with (4) ¼"-20 fasteners (supplied by others) into (4) wall anchors (supplied by others). The stainless steel trap cover is compatible with a tankless electric water heater or a sensor-operated soap dispenser.

Vandal Resistance
The molded sprayhead is bolted securely to the lavatory bowl. The Terreon and TerreonRE bowls are resistant to chemicals, stains, burns and impact. Damage is repairable. The chrome plated brass streamformer and activation mechanism are secured to the unit from inside the sprayhead module. The infrared sensor will automatically shut off water flow after 30–45 seconds if a vandal attempts to trigger constant operation. TouchTime activation is electronically controlled at 15 seconds. Optional trap covers conceal all below deck valving, connections and other optional items.

Code Compliance and Certifications
ANSI Standards
Terreon and TerreonRE are certificated by NAHB to meet ANSI Z124.3, Z124.6 and ANSI/ICPA SS-1-2001.

UPC Approval
The Express Lav Systems are Uniform Plumbing Code (UPC) approved through the International Association of Plumbing and Mechanical Officials (IAPMO).

Mounting
The Express SS-1N is designed to mount at different heights (adult and children) to comply with guidelines on reaches, clearances and operation for various codes including, ADA Accessibility Guidelines for Buildings and Facilities (ADAAG) and TAS (Texas Accessibility Standards). Always check your local and state codes. The SS-1N can be supported by a surface-mounted bracket supplied by Bradley or in-wall carriers supplied by others. The surface-mounted bracket is constructed of 1" square structural tubing and is zinc-plated mild steel. The surface-mounted bracket also includes a locking device and leveling screws.
Standard Equipment
Models SS-1N/R and SS-1N/TT include bowl, a 110/24 VAC plug-in transformer, flexible stainless steel supply connection, P-trap, grid strainer and tailpiece. Battery included in SS-1N/BIR3 only. The SS-1N (bowl only) includes P-trap, grid strainer and tailpiece.

Optional Equipment
The SS-1N is available less solid surface sprayhead as a bowl-only unit drilled for a 4” and 8” centerset or centershank faucet options. Equip with your choice of Bradley faucets or a faucet by others. The various SS-1N models can be equipped with a deck-mounted soap dispenser. Optional trap covers and optional surface-mounted brackets are also available.

Express Lavatory System Thermostatic Tankless Electric Water Heater
The optional tankless electric water heater is equipped with a microprocessing temperature control capable of maintaining outlet temperature accuracy of +/- 1° F. Factory preset at 105° F. Flow switch activates heater only on demand with 99% efficiency. For easy service, the heater features a replacement cartridge element. Select TC-STEEL if a trap cover is desired with the heater option. Heaters not available with BIR3 activation.

<table>
<thead>
<tr>
<th>Model</th>
<th>KW</th>
<th>VAC</th>
<th>Amps</th>
<th>Temp. Rise @ 1 GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX95TMLB</td>
<td>9.5</td>
<td>240/208*</td>
<td>40</td>
<td>65° F</td>
</tr>
<tr>
<td>EX100TMLB</td>
<td>10</td>
<td>277</td>
<td>36</td>
<td>68° F</td>
</tr>
</tbody>
</table>

*240 volt can also be rated 208 volts with a 25% reduction in power

Sensor-Operated Soap Dispenser
The optional sensor-operated soap dispenser (6315) is available on all SS-1N units. The soap dispenser features reliable infrared metering activation and LED indicators for Low Battery / Low Soap Refill (soap not included). The dispenser is powered by (4) “D”-cell batteries (not included). 27-oz. (1000-shot) and 54-oz. (2000-shot) soap bottles are available from Bradley for use with the sensor operated soap dispenser. Sensor operated soap dispenser (6315) is compatible with the stainless steel trap cover only.

Activation Controls

Infrared Sensor
The streamformer is controlled by a solenoid valve. Hands placed within the bowl are detected by an infrared sensor module, which activates a flow of tempered water to the streamformer. Shut-off is automatic after hands are removed from the detection area. The infrared sensor uses a conical shaped transmitting beam, having a detection area adapted to, but not exceeding, the bowl perimeter. The detection area projects forward 15° to each side and 15° below horizontal. The infrared sensor automatically adapts to the bowl after power is turned on. The infrared sensor is not affected by varying color tones or darkness. Direct sunlight or bright washroom lights will not activate the system. Includes solenoid valve and a low voltage transformer as standard equipment:
- **Solenoid** – 24V, 50/60 Hz, ¼” NPT. Few moving parts, and resistant to most chemicals, minerals, and impurities often present in municipal water supplies.
- **Low Voltage Transformer** – Class II UL/CSA listed, 110/24 VAC plug-in transformer. Plugs into a standard GFCI protected electrical outlet.

TouchTime Metering Control
The low voltage push button activates a non-hold-open, slow closing anti-hammer solenoid valve that is timed from an electronic potted assembly. The push button activates one valve, which, in turn, activates water flow. TouchTime controls water flow through the use of solid state, digital circuity. Timing is electronically controlled at 15 seconds.

Battery Infrared Sensor
The battery-powered sensor uses a zone-focused infrared transmitting beam, creating a large detection area not exceeding the bowl perimeter. The sensor is not affected by varying skin tones or darkness. When hands enter the detection area, the sensor starts water flow by opening the valve electronically. When hands leave the detection area, the sensor stops the flow of water by closing the electronically activated solenoid valve. The 6-volt DC, electronically activated solenoid valve has few moving parts providing reliable operation which is unaffected by most chemicals and minerals often present in municipal water supplies. The station is powered by a single lithium battery. Battery type is Duracell® DL 223A or equivalent (battery included).

Flow Control Rate
Operating range 20–80 psi. Flow restrictor keeps flow rate constant at all pressures. Flow rate: 0.5 GPM.

For more information on faucets, valves, transformers, cabinets and soap dispensers, visit bradleycorp.com.

U.S. Patent Pending

Model | KW | VAC | Amps | Temp. Rise @ 1 GPM |
--- | --- | --- | --- | --- |
EX95TMLB | 9.5 | 240/208* | 40 | 65° F |
EX100TMLB | 10 | 277 | 36 | 68° F |

*240 volt can also be rated 208 volts with a 25% reduction in power

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P.O. Box 309, Menomonee Falls, WI 53052-0309
Phone: 800.BRADLEY (800.272.3539) Fax: 262.251.5817
bradleycorp.com
Stainless Steel Trap Cover

**Standard Height**
- 21¼" (540mm)
- 13" (330mm)
- 38½" (978mm)
- 34" (864mm)
- 30" (762mm)
- 10¾" (275mm)
- 17" (432mm)

**Juvenile Height: Ages 6 through 12**
- 21¼" (540mm)
- 13" (330mm)
- 35½" (902mm)
- 31" (787mm)
- 27" (686mm)
- 10¾" (275mm)
- 14" (356mm)

**TAS Height: Grades Pre-K through 5 or 6**
- 21¼" (540mm)
- 13" (330mm)
- 34½" (876mm)
- 30" (762mm)
- 26" (660mm)
- 10¾" (275mm)
- 13" (330mm)

**TAS Height: Grades 6 through 8 or 9**
- 21¼" (540mm)
- 13" (330mm)
- 36½" (927mm)
- 32" (813mm)
- 28" (711mm)
- 10¾" (275mm)
- 15" (381mm)
High Impact Polymer Trap Cover

**Standard Height**

- 21¼" (540mm)
- 34" (864mm)
- 30" (762mm)
- 33" (838mm)
- 10" (254mm)

**Juvenile Height:**

- Ages 6 through 12
- 21¼" (540mm)
- 13" (330mm)
- 35½" (902mm)
- 31" (787mm)
- 27" (686mm)
- 10" (254mm)

**TAS Height:**

- Grades Pre-K through 5 or 6
- 21¼" (540mm)
- 13" (330mm)
- 34½" (876mm)
- 30" (762mm)
- 26" (660mm)

- Grades 6 through 8 or 9
- 21¼" (540mm)
- 13" (330mm)
- 35½" (902mm)
- 32" (813mm)
- 29" (737mm)
- 17" (432mm)
### Chart 1

<table>
<thead>
<tr>
<th>Rim Height</th>
<th>Vertical Height Adjustments A – E</th>
<th>Fixture Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>34&quot;</td>
<td>None</td>
<td>Standard Height</td>
</tr>
<tr>
<td>34&quot;</td>
<td>None</td>
<td>Wall-Hung</td>
</tr>
<tr>
<td>32&quot;</td>
<td>Subtract 2&quot;</td>
<td>TAS, Grades 6 through 8 or 9</td>
</tr>
<tr>
<td>31&quot;</td>
<td>Subtract 3&quot;</td>
<td>Juvenile Height</td>
</tr>
<tr>
<td>30&quot;</td>
<td>Subtract 4&quot;</td>
<td>TAS, Pre-K through Grades 5 or 6</td>
</tr>
</tbody>
</table>

### Chart 2

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1/2&quot; NPT Hot/Cold Supplies, Stub-Out 2&quot; from Wall</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>1 1/2&quot; NPT Drain, Stub-Out 2&quot; from Wall</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>110V GFCI Protected Electrical Outlet, I.R. and TouchTime Only</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>#10 Fasteners/Wall Anchors, Optional</td>
<td>2</td>
</tr>
<tr>
<td>E</td>
<td>Optional Heater, Electric Box Location: 4&quot; L x 4&quot; W x 4&quot; H</td>
<td>1</td>
</tr>
</tbody>
</table>
### Standard Selections (Must select one from each category)

#### Sprayhead or Faucet Drilling
- **IR** Sprayhead w/Infrared Control
- **BIR3** Sprayhead w/Battery Infrared Control
- **TT** Sprayhead w/TouchTime® Control
- **4” SET** 4” Centerset
- **8” SET** 8” Centerset
- **NFD** No Faucet Drilling
- **SHANK** Centershank

#### Soap Dispenser (select one)
- **6322** 16-oz Plastic Globe, 2½” Spout
- **6322-67** 16-oz Stainless Steel Globe, 2½” Spout
- **6322-68** 32-oz Plastic Globe, 2½” Spout

**For 6315 Dispenser must order as separate line items**
- **P19-232B** 1000-Shot or 27-oz Lotion Soap with Moisturizer (Case of 4 Bottles)
- **P19-232A** 2000-Shot or 54-oz Lotion Soap with Moisturizer (Case of 4 Bottles)
- **P19-231F** AC Adapter – 6315

#### Water Supply (select one)
- **TMA** Vernatherm™ Thermostatic Mixing Valve (Hot and Cold Supplies)
- **TL** Single Tempered Line

#### Tankless Heaters (Not Available with BIR3 Activations)
- **HEAT277** Tankless Electric Water Heater, 277 Volts
- **HEAT240-208** Tankless Electric Water Heater, 240/208 Volts
- **NONE** No Valve Option Selected

#### Color of Terreon Bowl/Sprayhead Cover (select one)

**Standard Colors**
- **CHAR** Charcoal Gray
- **COBBLE** Cobblestone
- **E-GRAY** Empire Gray
- **GRAPH** Graphite
- **JADE** Jade
- **LONDON** London Gray
- **LANNON** Lannonstone
- **LONDON** London Gray
- **MIST** Mystic Moss
- **MYSTIC-M** Mystic Moss
- **PEP-WHT** Peppered White
- **PEW-SAND** Pewter Sand
- **SAND** Sandtrap
- **O-TAUPE** Organic Taupe
- **WHT-SAND** White Sand

**Designer Colors (available at an additional charge) (Non-cancelable, non-returnable)**
- **ARC-CHIP** Arctic Chip
- **BLUESKY** Blue Sky
- **COFFEE** Coffee Bean
- **HILLSIDE** Hill Side
- **MOUNTAIN** Mountain Top
- **STAR-D** Stardust
- **FERN** Fern
- **HILLSIDE** Hill Side
- **MOONDUST** Moon Dust
- **MYSTIC-M** Mystic Moss
- **MOONDUST** Moon Dust
- **OCEAN-MIST** Ocean Mist
- **ORB-COAL** Orlite Coal
- **PEW-MIST** Pewter Mist
- **WHITE** White

**TerreonRE Colors (available at an additional charge) (Non-cancelable, non-returnable)**
- **BIRCH-BARK** Birch Bark
- **DUSK** Dusk
- **FERN** Fern
- **MAIZE** Maize
- **MOONDUST** Moon Dust
- **OCEAN-MIST** Ocean Mist
- **OLIVE** Olive
- **PEW-MIST** Pewter Mist
- **WHITE** White

### Optional Selections

#### Color of Trap Cover (select one)
- **TC-GRAY** Gray
- **TC-PUTTY** Putty
- **TC-COAL** Coal
- **TC-STEEL** Stainless Steel

#### Mounting
- **BRKT** Surface-Mounted Bracket (Instead of carrier by others)

#### P-Trap
- **S-CHROME** Single Chrome-Plated P-Trap