Aerada™ 1100 Series Low Arc Faucet

Model S53-302

- **Battery Operated Infrared Control Powered by (4) Double-A Alkaline Batteries (included)**
- **Optional 100-240 VAC Plug-in Adapter**
- **Programmable Sensor Range**
- **.5 GPM Vandal-Resistant Aerator**
- **Anti-Rotational Trim Plate with Mounting Screws**
- **Centershank or 4" Centerset (with trim plate) Mounting**
- **c/UPC Approved**

DISCONTINUED

Specifications

User Operation

The faucet activates water flow only when the user's hands enter a broad infrared detection zone within the lavatory bowl perimeter. The sensor range detection area can be set at 1/2"- 6" from the faucet's spout. (Optimal range is 3"- 4" from the faucet's spout). The faucet turns itself off after hands are removed from the lavatory bowl area, allowing users to dry hands or groom without wasting water.

Component Operation

The 1100 Series Low Arc controls water flow by using a battery powered sensor module to electronically open and close a motor driven valve. The faucet's operation box also has an ON/OFF button, allowing you to shut off power for easy cleaning and maintenance. An optional 100-240 VAC plug-in adapter (6' cord) is available. In the event of a power supply loss to the adapter, the faucet will default to battery power operation.

Programmable sensor range allows the installer to determine the desired detection area in the lavatory bowl. When the hands enter the detection area, the sensor starts water flow by electronically opening the valve. When hands leave the detection area, the sensor stops water flow by closing the valve.

The faucet is powered by (4) double-A alkaline batteries (included). The batteries are mounted in an operation box which can be remotely located beneath the countertop.

Average faucet cycles will vary by battery. Four double-A alkaline batteries yield approximately 125,000 cycles.

The incoming water supply can be tempered or cold. An optional Bradley Vernatherm™ Thermostatic Mixing Valve can be utilized to mix hot and cold supplies and deliver tempered water at a temperature no greater than 105°F.

Standard Equipment

Battery Infrared Sensor

Programmable sensor range allows the installer to determine the desired detection area in the lavatory bowl. When the hands enter the detection area, the sensor starts water flow by electronically opening the valve. When hands leave the detection area, the sensor stops water flow by closing the valve.

Solenoid Valve

The electronically activated motor driven valve has few moving parts providing reliable operation that is unaffected by most chemicals and minerals often present in municipal water supplies. The valve is located inside the operation box assembly along with (4) double-A alkaline batteries.

Flow Control/Rate

Operating range 20-80 PSI. Flow restrictor keeps flow rate constant at all pressures. The flow rate is .5 GPM

Body

Chrome plated, solid cast brass body, centershank or 4" centerset mounting (with trim plate). Trim plate is included.

Sanitary

No-touch operation reduces water/soap splatter and addresses the public's increasing awareness and concern about communicable diseases.

Vandal Resistant

There are no surface-mounted controls to tempt vandals. The sensor module is sealed and can be located under the countertop. The sensor's infrared send-and-receive optics are protected by a shatter-resistant ABS lens. The battery powered sensor will automatically shut off water flow after 60 seconds if a vandal attempts to trigger constant operation by covering the sensor or placing a stationary object in the sensor's detection zone. An anti-rotational trim plate with mounting screws is also included for maximum vandal deterrence.

Code Compliance and Certifications

UPC Approved

The 1100 Series Low Arc is Uniform Plumbing Code (c/UPC) approved through the International Association of Plumbing and Mechanical Officials (IAPMO) for use in Canada and the United States.

ASME A112.18.1

The 1100 Series Low Arc meets the A112.18.1 standard for plumbing fixture fittings.

ADA Compliance

The sensor module produces a broad detection zone which allows disabled users to easily activate the faucet from either a front or side approach, thereby meeting guidelines provided by ANSI A117-1.

Check Your Surroundings

Certain factors, such as intense direct sunlight, other infrared devices, or other site conditions may interfere with the activation of infrared faucets. Contact your local Bradley representative to discuss any application concerns.

Bradley

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Model S53-302

Sample Specification

No-touch infrared faucet shall be a Bradley Aerada™ 1100 Series Low Arc with battery powered sensor module. Programmable sensor range allows the installer to determine the desired detection area in the lavatory bowl. Individual infrared controls are powered by (4) double-A batteries (included) concealed inside an operation box assembly with the electronically activated, motor driven valves. Battery powered infrared sensor module to have auto shut-off after 60 seconds of continuous triggering by a stationary object, a timing turn-off delay of 1 to 3 seconds. Sensor module send and receive optics shall be protected by a, shatter resistant ABS lens. Faucet shall include chrome-plated, cast brass body with center-shank, or 4" centerset mounting (with trim plate). An anti-rotational trim plate with mounting screws included. Faucet shall be c/UPC approved.

OPTIONAL SELECTIONS

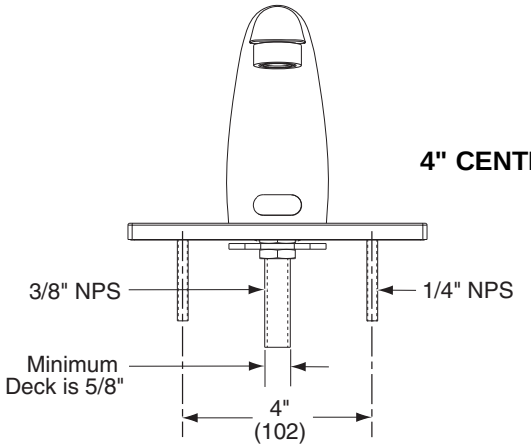
Part No.	Model/Description
Plug-in Adapter:	
❑ **153-436**	100-240 VAC plug-in adapter
Water Supply:	
❑ **S59-4004XS**	TMA Vernatherm™ Thermostatic Mixing Valve Pre-Pack
❑ **S45-2081**	TL Single Tempered Line w/ Stop, Strainer, Check Valves
Temperature Selection Valve:	
❑ **S01-515**	MM2, User-Adjustable Mixing Valve, High Flow, 3 GPM
Drain Assembly:	
❑ **269-1231**	D-ASSY, Drain, Strainer, and Tailpiece

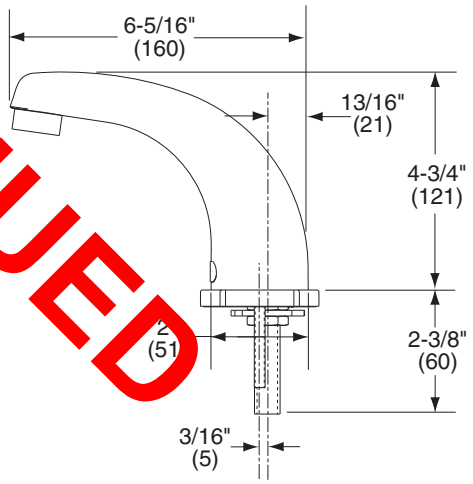
MODELS – Faucet with Trim Plate

Part No.	Model/Description
❑ **S53-302**	Battery Infrared Faucet, Centershank/Centerset Mounting (with trim plate)

Notes:
Dimensions shown in parentheses are in millimeters.
For tempered or cold water only.

4" CENTERSET MOUNTING





CENTERSHANK MOUNTING