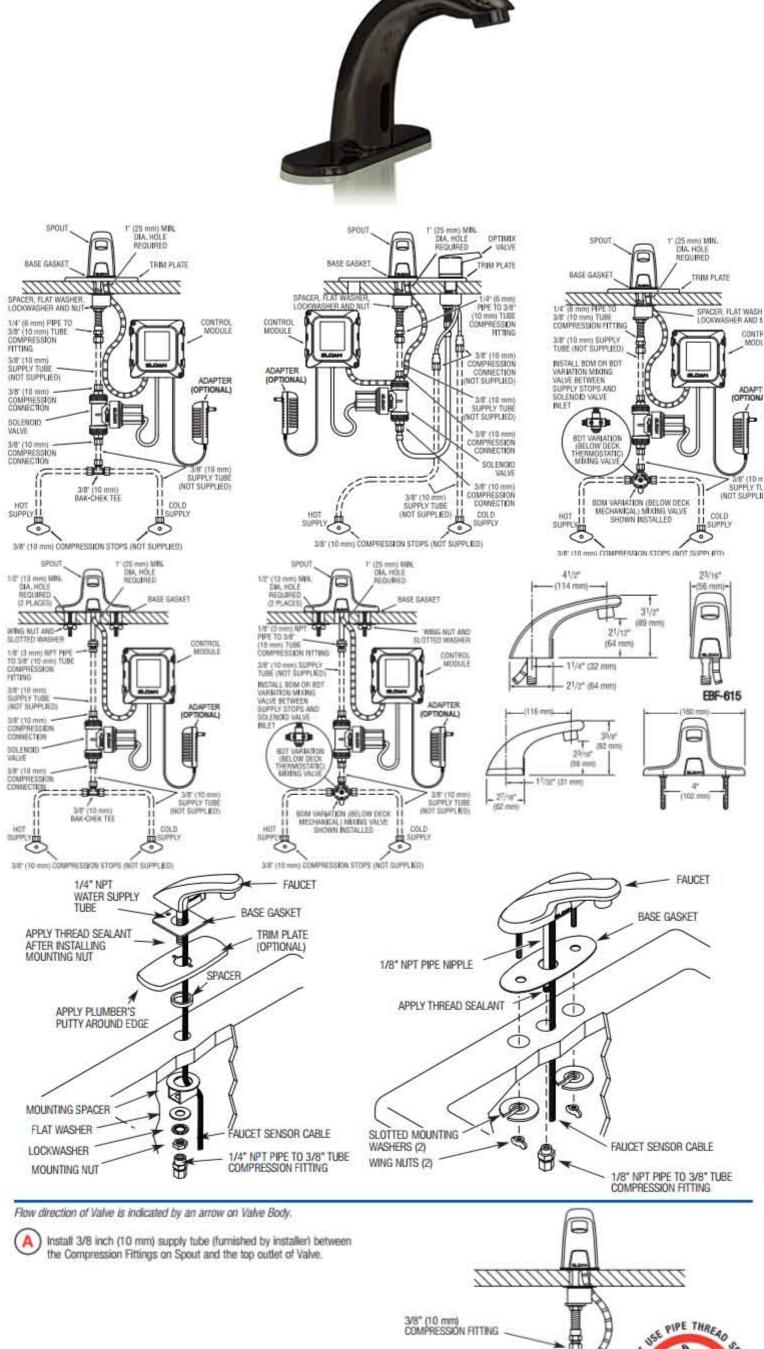
Lenox Oil Rubbed Bronze Finish Sensor Faucet 1° (25 mm) MIN, DIA, HOLE DPTIMIX SPOUT, REQUIRED TRIM PLATE TRIM PLATE BASE GASKE



3/8" (10 mm) SUPPLY TUBE (NOT SUPPLIED)

3/8" (10 mm) SOLENOID VALVE COMPRESSION FITTING (TOP OUTLET)

Single Line Water Supply Applications

Fittings securely.

CONTROL

MODULE **ENCLOSURE**

POWER CABLE JACK

> LOCKING CONNECTOR

> > STRAIN

SLOTS FROM ADAPTER

FROM SOLENOID VALVE

CONTROL MODULE

Install a 3/8 inch (10 mm) copper supply tube

Solenoid Valve. (Supply tube and supply stop

furnished by installer.) Tighten Compression

4* (102 mm)

0

0 0

ID

ADAPTER (OPTIONAL)

Activate Faucet for 30 seconds by placing hands in front of the Sensor.

Spout. If this does not occur, refer to the Troubleshooting section of this

Close supply stop(s) and reinstall Spray Head in Spout using the Key

provided. Reopen supply stop(s), activate Faucet and check for leaks.

The Solenoid Valve should "click" and water should flow from the

instruction manual.

DECREASES RANGE

A SCREWDRIVER IS PROVIDED ON

THE INSIDE COVER OF THE CONTROL MODULE FOR MAKING

RANGE ADJUSTMENTS

0

MODE!! AR RECEPTACLE

FROM FAUCET SPOUT

BATTERY

COMPARTMENT

FOUR (4) AA-SIZE ALKALINE BATTERIES

POTENTIOMETER

between the supply stop and inlet side of

SOLENOID

VALVE

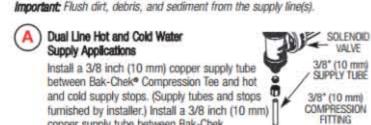
3/8" (10 mm) SUPPLY TUBE

3/8" (10 mm)

COMPRESSION

FITTING

- SUPPLY STOP



important: Keep thread sealant out of your waterway and prevent component part damage! Do not use sealant on compression fittings. When thread

sealant is used, do not apply it to the first two "starter" threads.

copper supply tube between Bak-Chek Compression Tee and inlet side of Solenoid Valve. Tighten Compression Fittings securely.

Note: Failure to install the Bak-Chek® Tee can result in a cross flow connection when the

faucet is off and the supply stops are

the cold water supply or vice-versa.

Most plumbing codes require that the Bak-Chek* be used to prevent this.

open. If pressure of the hot and cold water

supply differ, hot water can migrate into

Install the Control Module in an appropriate location. Control Module must be installed so that all cables enter from the bottom of the unit. When installed, Cables from the Spout and Solenoid Valve to the Control Module should have some slack. Mount Control Module to wall using Mounting Screws and Plastic Anchors.

3/8" (10 mm)

BAK-CHEK TEE USED

ON DUAL WATER

SUPPLY

APPLICATIONS

ONLY

SUPPLY

STOP

3

Insert Locking Connector from Solenoid Valve into mating Receptacle. Insert Connector from Faucet Spout into Modular Receptacle.

Insert Power Cable Jack from Adapter (optional) into Receptacle.

Route Cables from Solenoid Valve and Spout to the Control Module.

- Insert each Cable into a Strain Relief Slot.
- Insert four (4) AA-size Alkaline Batteries provided as indicated by the (+) and (---) symbols inside the Battery Compartment.

Plug Adapter into Receptacle.

flow from the Spout.

The OPTIMA Plus EBF-615 and EBF-650 Faucets are factory set to operate when hands are placed 4 to 5 inches (102 to 127 mm) from

Sensor. This range should be satisfactory for most installations. If range adjustment is required, refer to the following range adjustment

The Range Potentiometer is located in the Control Module.

Important: Range Potentiometer adjustment screw rotates only 3/4 of a turn; DO NOT over-rotate. Over-rotating will damage range adjustment screw.

Cycle Faucet several times to assure that the Sensor will not

Activate ("dry fire") Faucet by placing hands in front of the Sensor. The

Solenoid Valve should "click." Once hands are removed the Solenoid Valve should click again. If this does not occur, refer to the

Once "dry firing" segment is complete, remove spray head. Open

Troubleshooting section of this instruction manual.

supply stop(s) then activate Faucet by placing hands in front of the Sensor. The

Solenoid Valve should

procedure.

"click" and water should

inadvertently pick up reflection off the edge of the sink. If reflection occurs, adjust Range Potentiometer counterclockwise very slightly and again cycle Faucet. Repeat adjustment procedure until desired range is achieved.

Module along with the instructions in this Step.

backup, bridge pins 2 and 3.

DESCRIPTION

NOISE REDUCTION (NR) SETTING

TIME OUT (MODE) SETTING

13.75 Second On Demand

30 Second On Demand

lavatory faucet.

system pressure.

Time Out (Mode) Setting

Noise Reduction (NR) Setting When operating the faucet on batteries alone, set the NR jumper to When operating the faucet using the plug-in adapter with battery

For jumper settings, refer to Table below or label on cover of Control

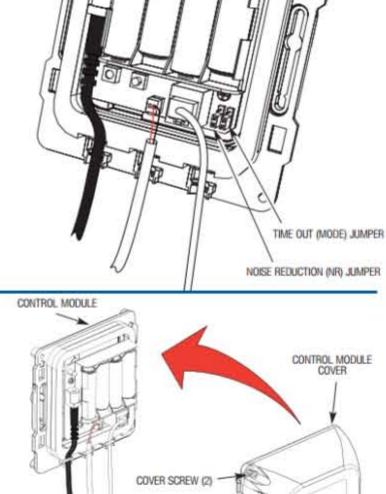
Faucet will run upon continuous activation. This timing can be changed to meet individual application requirements. Unless otherwise specified, Faucets leave the factory set with a 30 second Time Out.

The Faucet Time Out Setting determines the maximum time the

Normal Operation (Adapter w/Battery Backup Operation) NR Enabled (Battery Operation Only)

A)	Install Cover over the Control Module making sure that all four (4) locking tabs snap into place. Secure using the two (2) screws provided. Cover can be installed in only one orientation.

- CONTROL MODULE
- CLOCKWISE INCREASES RANGE COUNTERCLOCKWISE



LOCKING TAB (4)

3 When hands are

moved away

the loss of

initiates an

next user.

reflected light

electrical signal

that deactivates the solenoid valve, shutting

automatically resets and is ready for the

off the water flow. The circuit then

from the sensor,



DO NOT USE abrasive or chemical cleaners (including chlorine bleach) to clean faucets as they may dull the luster and attack the chrome or

special decorative finishes. Use **ONLY** soap and water, then wipe dry with clean cloth or towel. While cleaning the bathroom tile, the faucet should be protected from any splattering of cleaner. Acids and cleaning fluids will discolor or remove chrome plating.

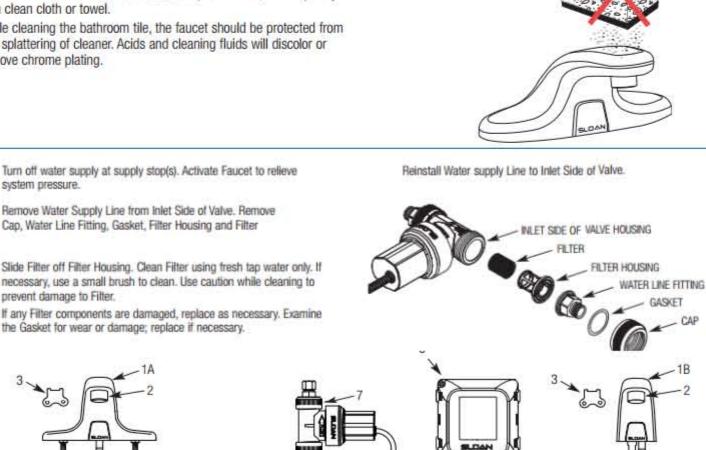
reflected back

into the sensor receiver and activates the

solenoid valve. Tempered water flows from the faucet into the sink until the hands are

removed from the beam or until the faucet

reaches an automatic time out limit setting.



11B