

# Communication Module Installation Instructions

For A.O. Smith, American, Reliance, State, Lochinvar, and U.S. Craftmaster Water Heaters

Follow this step-by-step guide to connect your A.O. Smith, American, Reliance, State, Lochinvar, U.S. Craftmaster or other water heater in the A.O. Smith portfolio of brands to WatterSaver.

## Step One: Gather Required Equipment

- Communication module (UCM) – provided by WatterSaver
- Screwdriver

## Step Two: Turn Off Power to Your Water Heater

**WARNING!** Before continuing with the UCM connection, turn off power to your water heater at the circuit breaker or fuse box by flipping the breaker supplying power to your water heater to the OFF position or by removing the fuse. **WORKING ON AN ENERGIZED CIRCUIT CAN RESULT IN SEVERE INJURY OR DEATH FROM ELECTRICAL SHOCK. TURN POWER OFF BEFORE PERFORMING THIS INSTALLATION. CHECK THE WIRE WITH A NON-CONTACT CIRCUIT TESTER TO MAKE SURE POWER IS OFF.**

## Step Three: Install the UCM Port Adapter (Only applicable if WatterSaver staff notifies you)

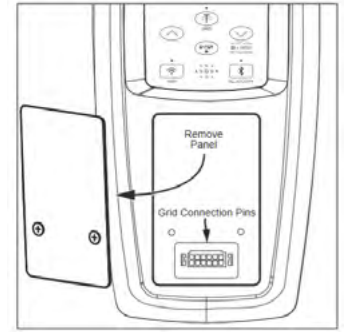
UCM port adapter setup for WatterSaver participation (only for water heater models ending in “-130”) WatterSaver staff may notify you that a port adapter is necessary to allow your water heater to use a UCM. If this is the case, you will receive the UCM as well as a port adapter. To install the port adapter, follow the pictures below:

- Unscrew and remove the access cover
- Plug the adapter into the water heater at its connection pins
- Screw in the adapter using the screws provided



## Step Four: Open the UCM Port Cover

- Locate the UCM port on the front of the unit
- Unscrew to remove the cover



## Step Five: Prepare and Install the UCM

- Prepare the UCM as described in the provided UCM Manual
- Insert the UCM into the port by aligning the UCM connectors with the connectors in the port
- Push in until the bottom face of the UCM touches the flat face of the receiver. Make sure it is securely seated.
- Use screws to secure the UCM to the receiver



## Step 6: Restore Power to Your Water Heater

- Turn on the power to your water heater at the circuit breaker or fuse box by flipping the breaker supplying power to your water heater to the ON position or by replacing the fuse.
- Once the water heater has power, there should be a solid LED on the "GRID" indicator on the water heater control panel. If you would like to temporarily disable WatterSaver's control of your water heater, press the "GRID" button on the water heater control panel. This will disable the UCM control of your water heater for 72 hours.

**Note:** Some models may automatically recognize the UCM, but on other models, you may be prompted to confirm installation using the control panel.

## Step 7: Confirm Successful UCM Connection

- Once connected, the UCM LED will blink during startup
- Within a few minutes, the UCM LED should turn solid blue, indicating connection
- If you have trouble with the connection, refer to the troubleshooting steps in the UCM Installation Guide or contact our program for support at [support@watter-saver.com](mailto:support@watter-saver.com)

## Step 8: Connect Your Water Heater to WatterSaver

- Once you've completed these steps, please email [support@watter-saver.com](mailto:support@watter-saver.com) to let the support team know that your UCM is installed and that you are ready to participate in WatterSaver.