4 Activating and Reading the E-Coder)R900*i*

How to Activate LCD Using the Light Sensor

The light sensor is recessed under the small round hole near the center of the dial face. The hole is marked with a flashlight graphic (see figure). The light sensor activates the LCD display for several minutes when the unit is exposed to a light source. For example, a unit mounted in an inside location would turn on the LCD for several minutes after the room light is turned on. A unit mounted in an outside pit would turn on the LCD for several minutes after the pit lid is opened exposing the unit to daylight. If the LCD is currently off, the LCD may be reactivated by covering the dial plate with your hand for about two seconds. In bright sunlight, it may be necessary to close the cover or the pit lid momentarily. If the LCD does not reactivate as expected, try shining a flashlight on the light sensor.

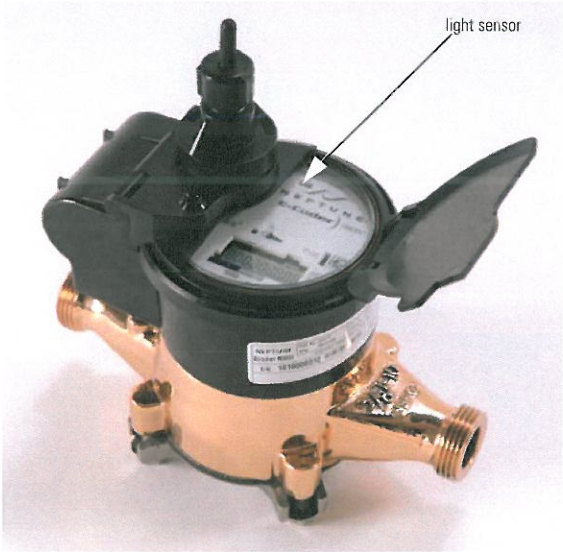

Figure 4 Activating the LCD

How to Read

It is important to become familiar with the information available from the meter. To identify this information the following icons and displays are helpful.

Table 2 Icons and Displays

Light Sensor, recessed under the small hole near the center of the face-plate of the E-Coder)R900i, supplies the power for the LCD panel (light activated).

Flow/Leak Indicator shows the direction of flow through the meter:

ON	Water in use
OFF	Water not in use.
Flashing	Water is running slowly/low flow indication.

Leak indicator displays a possible leak:

OFF	No leak indicated.
Flashing	Intermittent leak indicated. Water used during at least 1/2 of the 15-minute intervals in the last 24 hours (96 15-minute intervals in a 24-hour period).
Continuous ON	Continuous leak indicated. Water used during all 15-minute intervals in the last 24 hours.

Nine-digit LCD displays the meter reading in billing units of gallons or cubic feet.

Last **three** digits	Testing units used for meter testing.
Fifth & Sixth reading digits	Reading units.
First **four** digits	Typical billing digits.

Common Causes of Leaks

If the leak indicator is flashing or continuously on, the E-Coder)R900*i* is indicating that a possible leak may exist. Leaks can result from various circumstances. To better help you identify a possible leak, the following table contains some common causes of leak problems that can occur.

Table 3 Possible Leaks

Possible Cause of Leak	Intermittent Leak	Continuous Leak
Outside faucet, garden or sprinkler system leaking	✔	✔
Toilet valve not sealed properly	✔	✔
Toilet running		✔
Faucet in kitchen or bathrooms leaking	✔	✔
Ice maker leaking		✔
Soaker hose in use		✔
Leak between the water meter and the house		✔
Washing machine leaking	✔	✔
Dishwasher leaking	✔	✔
Hot water heater leaking		✔
Watering yard for more than eight hours	✔	✔
Continuous pet feeder		✔
Water-cooled air conditioner or heat pump	✔	✔
Filling a swimming pool		✔
Any continuous use of water for 24 hours		✔

How to tell if water is in use

To determine if water is in use, complete the following steps:

1 Check the flow indicator by closely watching it for two minutes.

2 Determine the following conditions:

- If the arrow is Flashing, then water is running very slowly.
- If the arrow is continuously ON, water is running.
- If the arrow does not flash, water is not running.

What to do if there is a leak

The following checklist can be helpful if the E-Coder)R900*i* leak indicator shows a possible leak.

Table 4 Checklist for Leaks

✔	Check all faucets for possible leaks.
✔	Check all toilets and toilet valves.
✔	Check the ice maker and water dispenser.
✔	Check the yard and surrounding grounds for a wet spot or indication of a leaking pipe.

If continuous leak is repaired

If a continuous leak is found and repaired, complete the following steps:

1 Use no water for at least 15 minutes.

2 Check the leak icon.

3 If the leak is OFF, then a leak is no longer indicated.

If intermittent leak is repaired

If an intermittent leak is found and repaired, complete the following steps:

1 Check the leak icon after at least 24 hours.

2 If the leak has been correctly repaired, the leak icon changes from **Continuous ON** to **Flashing**.

Software

A software update is required for EZRoute or RouteMAPS to interpret the advanced feature data communicated from the Neptune E-Coder)R900*i*.