E-Coder®)R900i™ Installation and Maintenance Guide

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

How to Activate LCD Using the Solar Panel

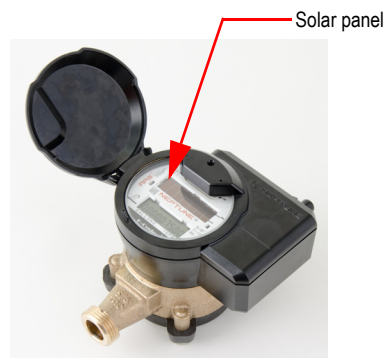The E-Coder)R900*i* has a solar panel to power the LCD display. See Figure 4.

Figure 4   Solar Panel for E-Coder)R900*i*

The solar panel activates the LCD display when the unit is exposed to a light source. If the LCD does not reactivate as expected, try shining a flashlight on the light sensor. See Figure 5.

Figure 5   Activating E-Coder)R900*i*

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.
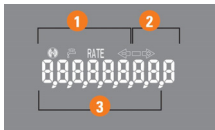
Table 2 Icons and Displays

 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 50 of the 96 15-minute intervals during the previous 24-hour period.
Continuous ON	Continuous leak indicated. Water used during all 96 15-minute intervals during the previous 24-hour period.

 Nine-digit LCD displays the meter reading in billing units of measure. The number is shown in odometer style, reading left to right.
1   First four digits – Typical billing digits.
2   Last three digits – Testing units used for meter testing
3   Fifth and sixth reading digits – Reading units

Common Causes of Leaks

If the leak indicator is flashing or continuously on, the E-Coder)R900*i* is indicating that a possible leak can 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.

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 $\Longleftrightarrow\Box\Longrightarrow$ 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.

If the leak indicator changes from continuous ON to flashing, then a continuous 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 flashing to OFF.

Software

A software update is required for the N_SIGHT™ host software to interpret the enhanced data communicated feature from the Neptune E-Coder)R900*i*.