

Reading and Interpreting Your Water Meter



A General Guideline

4 Activating and Reading the E-Coder)R900i

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 4.



Figure 4 Light Sensor for E-Coder)R900i Pit

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 5 Activating E-Coder)R900i Inside

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 faceplate 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 measure. **Cubic Meters**

| | |
|---------------------------------------|---------------------------------------|
| Last three digits | Testing units used for meter testing. |
| Fifth and 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)R900i 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 | | ✓ |