



## Walnut Creek Special Utility District

P.O. Box 657  
1155 Hwy. 199 West  
Springtown, Texas 76082  
(817) 220-7707  
(817) 523-4463  
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### **INSTRUCTIONS FOR READING DISTRICT'S 5/8" x 3/4" WATER METERS**

#### **1. GENERAL METER INFORMATION**

The District reads all water meters in one hundred (100) gallon increments. Therefore, if the reading on the meter is **12101.9**, or **121** as it appears on the bill.

#### **2. LOCATE THE WATER METER BOX**

The water meter is located inside the meter box. This box is typically black with either a solid black lid or a black lid with a viewing door in the middle. The meter boxes are typically in the front of the residence toward the street, either straight out from the front door or close to the driveway. Depending on the location some meter boxes are located by the back-property line, this is sometimes the case if the location is at the intersection of two streets.

#### **3. OPENING THE METER BOX**

In order to remove the lid of the meter box it is recommended to use a tool such as a screwdriver to pry the lid off. Use caution when removing the lid from the box as it is not uncommon to find arachnids, wasps, bees, ants and snakes seeking shelter inside. **For this reason, it is not recommended to use your hands when opening the meter box.** Also, there is a transmitter attached to the lid which has a connecting wire to the meter. It is extremely important not to damage this wire during this process.

#### **4. ONCE METER BOX IS OPEN**

Now that the box is open the box may be full of dirt or other foreign objects. These will need to be removed in order to have an unobstructed view of the meter inside. If there are foreign objects to be removed such as dirt, grass, or leaves use extreme caution not to damage anything as this equipment is how the facility receives water. A small shovel like a garden spade is ideal for cleaning out the meter box. **It is not recommended to use your hands when cleaning out the meter box for reasons previously stated.** A good rule of thumb is not to pry on unseen objects in the box as this could be the customer service line running from the meter to the home or business. The District's shutoff is located on the street side of the meter in case of an emergency.

#### **5. DETERMINE WHICH METER IS AT THIS LOCATION**

Diehl Hydrus – Light grey in color square bodied meter with a protective lid and brass measuring tube.

RG3 Tomahawk – Brass bodied meter, register (meter dial) is round and doesn't have a protective lid.

Sensus SR II – Brass bodied meter, register (meter dial) is round, light grey in color with protective lid.

#### **6. READING THE METER**

Diehl Hydrus – If the protective lid is left open the display will turn off after four (4) minutes to conserve battery life. In order to view the display again recover & uncover the optic eye (located under the display screen and recessed) by using your finger or the protective lid. In order to use your finger to change displays there is an indentation just below the display with a

**WARNING:** If damages occur to District equipment including but not limited to meter box, lid, meter, transmitter, or connecting wire. The District shall repair or replace all damaged equipment at Customer's expense. The District is not liable for any personal injuries or damage to Customer's equipment and/or facilities.



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small circle in the middle. This small circle is the optic eye simply cover & uncover with your finger or the lid to change displays. Displays are also on an automatic continuous loop.

### Displays & Explanations

- Alert Messages – The alert codes will remain visible as long as the alert is active. Unless it was the **E-7** alert then, once it becomes inactive it will change to **A-7** and remain visible for thirty (30) days. **(If there are no alerts present this display will not appear.)**
  - E – 5 – A: Leak
  - E – 7 – A: Active air in measurement tube
  - A – 7 – A: Inactive air in measurement tube (30 days)
  - E – 1 – A: Reverse flow (backflow)
  - E – 3 – A: No consumption
  - E – 6 – A: Low Temperature (below 32 degrees)
- (1<sup>st</sup> Display) Reading – This is the main meter reading display. There will be a small arrow pointing to the gal. area located to the right of the screen. Also, the reading only has one number to the right of the decimal. When no alerts are present this should be the first display upon opening the lid of the meter. **Example:** 12101.9 or 121 (as it appears on the bill)
- (2<sup>nd</sup> Display) Flow Rate (leak indicator) – Any water currently passing through the meter will appear on this screen in gallons per minute or gpm (**Example: 1.22**). The arrow should be pointing to the gpm area located to the right of the screen under gal. label. This display can be used in determining if there is a Leak.
- (3<sup>rd</sup> Display) Temperature – This display shows the current water temperature.
- (4<sup>th</sup> Display) Firmware – F06-006
- (5<sup>th</sup> Display) High Resolution Reading – Similar to the main meter reading display. This displays the reading down to a thousandth (.001) of a gallon or three numbers to the right of the decimal. **Example:** 2101.932 (notice it does not display the full read as it appears on the bill)

RG3 Tomahawk – This meter has all the information on one display.

- Reading – Most prominent numbers on the display followed tenths and hundredths in the upper right corner. **Example:** 12101.93 or 121 (as it appears on the bill)
- Flow Rate (Leak Indicator) – Is located at the bottom right of the display under the meter reading. Any water currently passing through the meter will appear here in gallons per minute or gpm (**Example: 1.2**). It can be used in determining if there is a Leak.

Sensus SR II – If the either section of the split protective lid is not closed properly the displays cannot be viewed. If the protective is left open the display will turn off after four (4) minutes to conserve battery life. In order to view the display again close & reopen the lid. This meter has two (2) displays.

- Reading – This is the default display of the meter. There are non-flashing dashes above the number that will appear on the bill. **Example:** 12101.93 or 121 (as it appears on the bill)
- Flow Rate (Leak Indicator) – In order to view this display, close the lid for approximately ten (10) seconds and reopen (the dashes should be flashing above the numbers). Any water currently passing through the meter will appear on this display in gallons per minute of gpm (**Example: 1.222**). This display can be used in determining if there is a Leak.

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