

## Demand Initiator

### Description

**Application:** The Sensus PhonRead® call-in demand initiator is used to provide a tone alert to a Sensus PhonRead Meter Interface Unit (MIU). The tone instructs the MIU to call into a PhonRead computer when the telephone line is free. The telephone number the MIU is to call when demand initiated will have been programmed into the MIU at the time it was installed. The demand initiator can be used to access meter reading information when the phone line is answered at the meter site. The demand initiator can be used with any Sensus Model 200 series MIU.

**Operation:** The demand initiator can be used in two ways:

- You must know the telephone number of the location for the installed MIU and meter installation for which you require meter reading data,

OR

- The person needing the meter reading data may already be on the telephone line with someone at the MIU/meter installation site (such as a customer calling the utility to request a final meter reading).

Once connected to the telephone line of the installed MIU/meter, the demand initiator is placed near the telephone handset's microphone and the activation button is pressed. The demand initiator then transmits a tone over the telephone line that is understood by the MIU. The tone instructs the MIU to call in with the meter reading data once the telephone line is free. The MIU acknowledges receipt of the tone with a four-beep confirmation. When the telephone line is free, the MIU will call in to the utility with the meter reading data.

### Operating Instructions

The call-in demand initiator is used by a utility when the utility wants meter reading data on a demand basis, i.e., whenever meter reading data is needed at times other than the regularly scheduled meter reading calls are made.

The call-in demand initiator is an easy to use device. When the user wants to access and demand initiating the MIU, he or she simply calls the telephone number of the desired MIU location. In some instances, the utility may already be on the phone with a customer at the MIU location (**Figure 1**).

Once the telephone connection is made to the MIU location the utility person can tone initiate the MIU. This is done by holding the demand initiator to the voice in microphone of the telephone handset and pressing the red activation button (**Figure 2**).

After the tone from the demand initiator is finished, the utility person returns the telephone handset to the normal listening/talking position. At this time, the operator should hear a series of four short beeps. This confirms that the MIU has received the call back instruction and will subsequently call in to the utility's computer with its meter reading data once the telephone line is free (**Figure 3**).



### Specifications

<b>CONSTRUCTION</b>	The demand initiator is housed in an ergonomically designed plastic housing for easy handling. A single red activation button is used to begin the tone initiation to the MIU. A quick charge connection plug is built into the unit.
<b>SERVICE</b>	Handheld device used to tone alert Sensus PhonRead meter interface units to obtain on demand meter reading data.
<b>PHYSICAL CHARACTERISTICS</b>	Molded plastic enclosure. Black color. MIU battery charger connector included.
<b>DIMENSIONS</b>	5-1/2"(13.5 cm) L x 3-1/2"(9 cm) W x 1-1/2"(3.8 cm) D
<b>WEIGHT</b>	35 oz. (9.9 grams)
<b>POWER</b>	9-volt Alkaline cell (included)



Figure 1

## Demand Initiator



Figure 2



Figure 3

## Other Situations

Several situations require special consideration.

These include:

**Answering Machines:** When an answering machine picks up a call at an MIU location, it is still possible to pass the tone through to the MIU. Do this by waiting until the answering machine's beep sounds to indicate the caller can then leave a message and proceed to send the tone alert through the hand set as described above. After the tone is finished, wait for the confirming beeps from the MIU (**Figures 2 and 3**).

*Note: Some answering machines may not be compatible.*

**On-site Initiating:** The demand initiator can be used to alert an MIU at the MIU's installed location. However, access to a telephone on the same line as the MIU is required. When a phone is accessed a telephone line dial tone will be heard. Press a number on the telephone to silence the dial tone, then activate the demand initiator and listen for the MIU confirming beeps. (**Figures 2 and 3**).

- Call-forwarding And Telephone Company Answering Services:** In some cases it may be impossible to use the call-in demand initiator. Telephone company provided call-forwarding and answering services are examples. In these cases, the call never actually reaches the location of the installed MIU and is instead redirected at the telephone company's central office switch. As a meter reading backup, the utility may want to use the TouchRead MIU interface connection.

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