

#### STAR FIXED NETWORK AMR

#### FLAT-PACK MTU P/N 6327

# **INTRODUCTION**

The STAR Flat-Pack Meter Transmission Module (MTU) is designed to be wall-mounted near a water, gas, or electric utility meter. A two or three conductor cable extends from the unit and connects to the associated utility meter. The electronic components are permanently sealed inside a rugged plastic housing. There are no adjustments or user-serviceable parts.

## LOCATING THE MTU

The MTU is designed to be mounted on the outside wall of a structure when the utility meter is outdoors. It should be located as high as possible above ground, and at least six inches from metal objects such as wires, pipes, downspouts, etc.

When the utility meter is located in the basement, the MTU must be mounted as high as possible to maximize transmission range. Ideally, the MTU should be mounted on a wall or joist high in the basement ceiling. If the basement ceiling is finished, mount the MTU on the wall at the ceiling level. The MTU should be at least four inches from metal objects including wires, heating ducts, pipes, etc. The radio signals are broadcast out of the front and back of the MTU, so it should not be placed where a large metal object, such as a furnace, is located directly in front of the MTU and within five or ten feet.

#### **MOUNTING THE MTU**

The MTU mounts with two screws using the recessed holes in the enclosure. Only the screws provided with the MTU should be used. They are to be tightened to a torque of 15 ounce-inches. If it is necessary to mount the MTU on a masonry wall, plastic anchors are used with the screws.

### **WIRING**

Route the cable to the utility meter and wire per the instructions provided with the meter register.

# **PROGRAMMING**

The MTU is programmed using the "Walkabout" programmer (P/N 501-5884A) and programming probe (P/N 501-5884B). Programming may be performed by the meter vendor, the meter shop, or in the field. Even if programming is performed at the factory or meter shop, it is still necessary to use the programmer to initiate MTU operation at the time of field installation. Refer to the "Walkabout" manual for programming information.