

NetCollector Model NC400 User's Guide

Overview

This document covers the NetCollector radio transceiver designed and manufactured by Kemp-Meek Manufacturing, Inc. It is intended to guide the user through the proper setup and operation of the NetCollector. Failure to strictly adhere to this guide may cause improper operation and/or damage to the unit, and this could result in voiding of all warranties.

Authority to Operate Equipment

THIS EQUIPMENT COMPLIES WITH PART 15 OF THE FCC RULES. ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area could cause harmful interference in which case the user will be required to correct the interference at his own expense.

Product Description

The NetCollector is a radio transceiver specifically designed to provide low cost, high reliability automated meter reading solutions to industry. It establishes a wireless link to the ER series of radio transceivers located at water meters or other types of meters to be read. The primary purpose of the NetCollector is to collect meter reading information from ER series radio transceivers. Contact your account manager or distributor regarding the ER series radio transceivers.

Performance

The performance of the NetCollector and any other radio frequency device is subject to many factors. Some of these factors are: interference from other radio frequency sources, soil and soil moisture, buildings, proximity to surrounding objects, and weather. The NetCollector is designed for optimum performance, however, the above factors may enhance or degrade performance. Consult Kemp-Meek Mfg. if performance issues occur.

Enhancements and Design Changes

Kemp-Meek Mfg. is continually improving and enhancing its products and services. We reserve the right to make product, service, and specification changes without notice.

Repairs and Service

This product is not field repairable. In the event of a failure, contact your account manager or distributor for assistance in returning the product and getting replacements. Kemp-Meek Mfg. liability is limited solely to the replacement of the device and excludes labor and other costs. The purchase of this product implies an agreement to all restrictions, guides, and terms contained within this document.

Training

Kemp-Meek Mfg. offers an instructor-led training program for those involved in the use, sales, installation, or marketing of the full line of Kemp-Meek Mfg. products and services. Contact your account manager or distributor for more details.

NetCollector Installation

1. Mount the NetCollector at a high central location such as on top of or on the side of a building facing the meter units to be read. Route cabling from the unit into the building.

WARNING: The NetCollector is intended to be installed in a location that is not accessible to the general public. Install so that the dome of the integral antenna unit is at least 25 cm (10 inches) from unsuspecting personnel. Failure to install this device as described will result in a failure to comply with FCC rules for radio frequency exposure and is discouraged.

2. Inside the building, connect the Ethernet cable from the NetCollector to the DSL or cable modem or gateway device.

3. Connect the supplied AC adapter to the miniature phone jack on the NetCollector power cable. Plug the AC adapter into a standard 120V AC 60 Hz outlet.

Operation

The NetCollector is controlled from a remote computer operated by Kemp-Meek Manufacturing. After meter unit and connectivity data is supplied to Kemp-Meek, operation will take place automatically at a time of day agreeable to the user.