

Application Note 013B
 Version 002 – UDA Universal Duplexer Version
 16 Dec 2021

Sample Water Meter Co-Reading Request, via UDA Universal Duplexer – Addressed to Water Utility.

Dear [UTILITY],

[CUSTOMER] respectfully requests your permission to add [CUSTOMER]-owned automatic meter-reading equipment to the existing water meter at [CUSTOMER ADDRESS] in a proposed manner that will not interfere with [UTILITY]’s current meter-reading equipment.

(OPTIONAL – ONLY IF METER REGISTER RETROFIT IS REQUIRED): In this case, the existing [METER MFR NAME] meter would require a retrofit/upgrade of the register to the latest respective model from [METER MFR NAME]. [METER MFR NAME]’s register retrofit is called the “[ENCODER REGISTER NAME]” and their compatible AMI radio is called the “[AMI RADIO NAME]”. The retrofit register(s) and AMI radio(s) would be provided at [CUSTOMER]’s cost.

The electronic consumption signal from the meter would be split between the [AMI RADIO NAME] and a [CUSTOMER]-owned meter-reading or datalogging device, “[CUSTOMER DATALOGGING DEVICE NAME]”, via a customer-provided Model UDA “Universal Duplexer”, which provides a means for splitting the water meter’s encoder signal. The Model UDA is a battery-powered device. However, it is important to note that [UTILITY]’s meter reading process will *not* be interrupted in case of battery failure or removal.

[CUSTOMER] plans to use the collected meter data in its energy and water conservation systems, and the main benefit to co-reading the meter is that [CUSTOMER] will be able to utilize the same consumption readings that are used by [UTILITY] for billing purposes. Many similar successful connections have been made throughout the United States and Canada, and we can assure you that there have been no interference problems in the past. However, in the unlikely chance that [CUSTOMER]’s reading equipment is found to pose a problem for [UTILITY]’s reading equipment, then we want to assure you that [CUSTOMER] will promptly remove its reading equipment from the circuit.

For your review, cut-sheets for the Model UDA “Universal Duplexer” and “[CUSTOMER DATALOGGING DEVICE NAME]” have been included, along with the wiring diagram of our proposed circuit (below).

Your consideration of our proposed monitoring system is highly appreciated, and if I can provide further information, please don’t hesitate to contact me.

