

UPLC-II

CASE STUDY



AMETEK Power Instruments worked with one of the nation's leading electricity transmission companies to provide them the Universal Power Line Carrier (UPLC-II). The UPLC-II is helping them monitor their more than 3,500 miles of transmission lines and serve their local community in the Southeastern United States.

Project Overview

The leading utility company in the Southeastern United States approached AMETEK Power Instruments with the need for a product that had more functionality and could be one universal device for all their needs. Power Instruments was able to supply them with the UPLC-II, which provided more functions than their existing devices.

Challenge

They needed to find a high quality, reliable product that offered all of the functions they desired. They searched for:

- A supplier who could replace their existing devices with a more modern, higher quality product
- A manufacturer with a long-standing reputation in the industry
- A partner with extensive knowledge of their functional needs who could deliver a product that performed well within their critical application

Solution

AMETEK Power Instruments and our innovative engineers developed the UPLC-II to be a truly universal device that features ON-OFF DCB, FSK 2-Frequency DCUB and DTT, FSK 3-Frequency and Phase Comparison in both ON-OFF and FSK modes. By combining these functions into one device, we have helped eliminate the need for more spare boards since we utilize universal boards that can cover all the applications. The UPLC-II also has the flexibility to change from one application to another without changing the device and it is easily programmable to whatever the customer needs.

Results

Prior to the assistance of Power Instruments, the leading utility company wasn't satisfied with the functionality and features of their old devices. Through working with us, they were able to quickly transition to the UPLC-II so they could start taking advantage of the modern features, better functionality and flexibility.

- One of the radios of choice is the AMETEK [Power Instruments] UPLC-II radio. The name UPLC states a great deal, this is the most versatile radio in history. It can be set to do any of the major applications needed for power line carriers, including DCB, DCUB and DTT."
- UPLC-II customer at a leading utility company in the Southeastern United States