



Operating Instructions
ACDM
Cable Identifier
Receiver



CAUTION

The equipment covered in these operating instructions should be used by qualified employees, trained in and familiar with the safety-related work practices, safety rules and other safety requirements associated with the use of this type of equipment. These instructions are not intended as a substitute for adequate training, nor do they cover all details or situations which could be encountered in relation to the operation of this type of equipment.

NOTICE

Before operating this equipment, read, understand and follow all instructions contained in this manual. Keep instructions with equipment.

▲ DANGER ▲

DO NOT ATTACH TO ENERGIZED SOURCE.

▲ WARNING ▲

**Always install and remove the CT with the unit off.
Never clamp CT around a conductor until connected to unit.**

Limitation of Warranty and Liability

Bierer & Associates Inc. warrants this product to be free from defects in workmanship and material, under normal use and service conditions for a period of one year from date of shipment.

Due to continuous product improvement and development, Bierer & Associates Inc. reserves the right to modify product designs and specifications without notice.

It is impossible to eliminate all risks associated with the use of high voltage electrical devices including this device. Risks of serious injury or death are inherent in working around energized electrical systems. Such risks include but are not limited to variations of electrical systems and equipment, manner of use or applications, weather and environmental conditions, operator mentality, and other unknown factors that are beyond the control of Bierer & Associates Inc.

Bierer & Associates Inc. does not express or imply to be an insurer of these risks, and by purchasing or using this product you **AGREE TO ACCEPT THESE RISKS. IN NO EVENT SHALL Bierer & Associates Inc. BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

Design and Function

The ACDM Cable Identifier Receiver is an analog passive receiver for the DCI-50-CT, the DCI-100-CT, and the TPID transmitter. The kit includes a ACDM receiver and a B110 current clamp. The unit is designed to show a needle deflection in response to a dc pulse on the line in the direction the pulse is moving. The display is a centered needle display with a red and green area on either side, a green deflection indicates pulse moving in the same direction as the red arrow on the CT and a red deflection means the pulse is moving in the opposite direction.

ACDM SET-UP AND TEST

1. Using the instructions provided with the device being used to test with, set-up and install transmitter device.
2. Plug the CT into the unit.

▲WARNING▲

**Always install and remove the CT before use.
Never clamp CT around a conductor until connected to unit.**

3. Place CT around conductor being tested with the red arrow pointing to the grounded side.
4. The needle will deflect if the transmit signal is present.
5. A green deflection indicates it is the correct line in the correct direction.
6. A red deflection is either the return or the correct conductor with the ct installed backwards.

Note: typically, the return signal on a single conductor will be weaker than the primary signal as the signal is split amongst all the grounds

7. Once the correct cable has been identified. You can remove the CT from the unit.
8. Once the ct is not around the conductor any longer, you can remove the ct from the unit and return to its carry case.

