

Installation Instructions
for AKR Substructure
Kit 343L806G1



Low-Voltage Power Circuit Breakers

Fourth Wire Disconnect Accessory

General

These instructions detail the installation of the 4th wire disconnect accessory to the type AKR Drawout substructures.

4th Wire Kit Cat. No.	Substructure Family Typical Cat. No.
343L806G1	TAK___ SR___

Description

The 4th wire disconnect automatically connects the output of the neutral sensor to the breaker. It mates with the 4th wire disconnect assembly mounted on the breaker. See Fig. 2

Installation

Install the disconnect assembly to the right-hand substructure channel using the hardware provided. See Fig. 1.

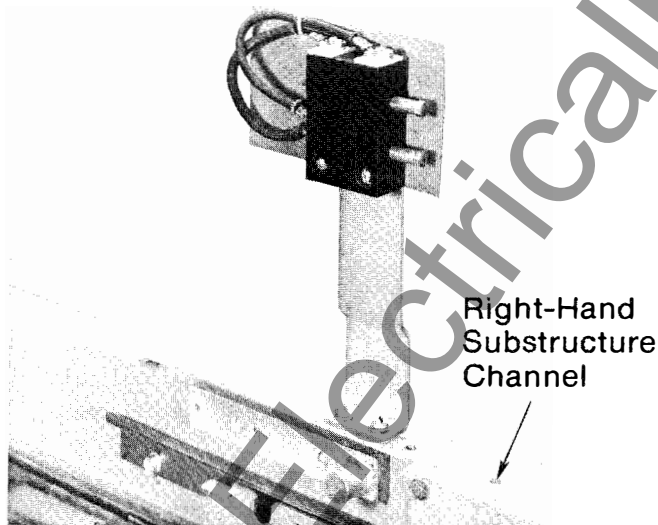


Fig. 1 4th Wire disconnect installed.

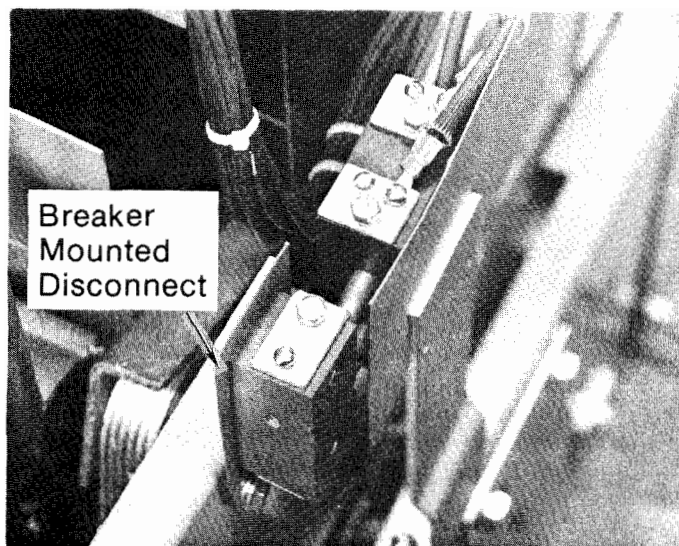


Fig. 2 Breaker/equipment disconnect engaged.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the Purchaser's purposes, the matter should be referred to the General Electric Company. These instructions are intended for use by qualified personnel only.

For further information
call or write your local
General Electric
Sales Office or...

Distribution Equipment
Division
41 Woodford Avenue
Plainville, CT 06062, USA



Wiring

The terminals on the disconnect assembly are identified as COM and TAP. Earlier production may not be identified, but the upper movable pin is always the common disconnect.

Typical wiring diagram for standard AKR breaker application is shown in Fig. 3. When the AKR breaker

is reverse fed, the wiring diagram is shown in Fig. 4. Note that for reverse fed applications the neutral sensor must be rotated. Its load side must now be facing the source's neutral.

Refer to GEH 4657 for further neutral sensor and wiring details.

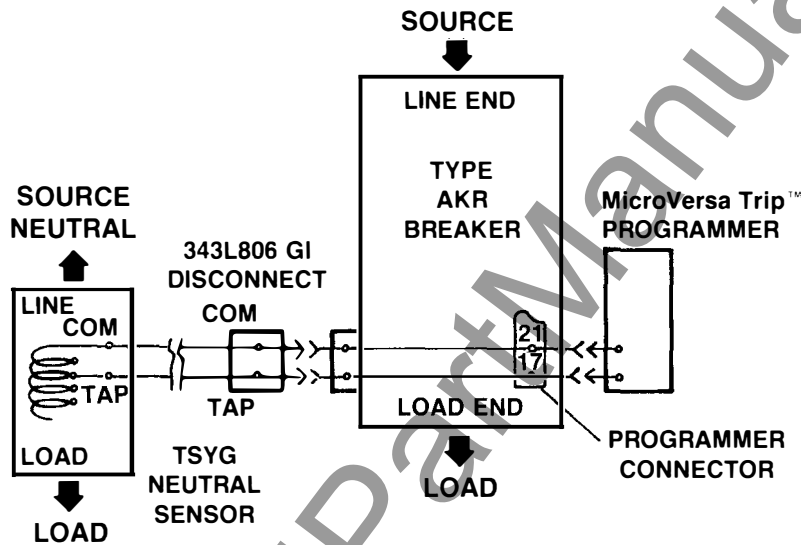


Fig. 3 Typical wiring diagram neutral sensor

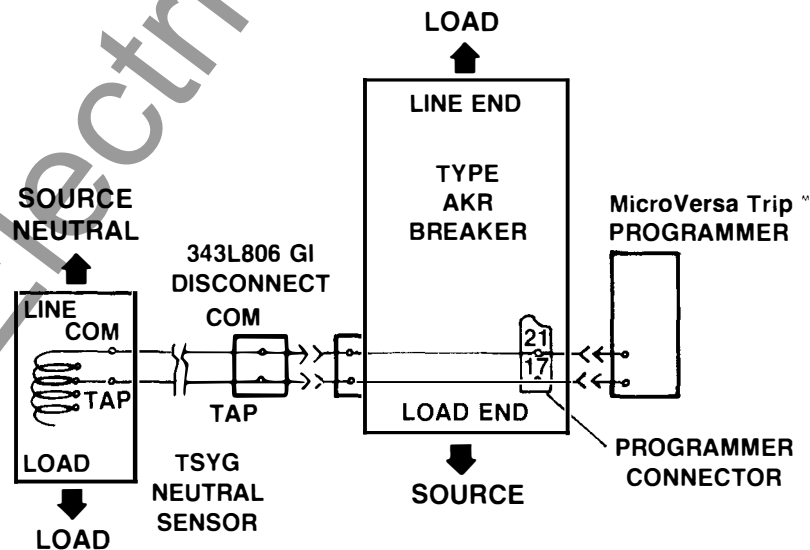


Fig. 4 Neutral sensor wiring diagram with breaker reverse fed