SIEMENS

WESTRIP™ RMS-2000
COMMUNICATIONS INTERFACE

WESTRIP RETRO-KITS with optional Communications Interface

The **WESTRIP RMS-2000** is a highly flexible Logic Controller that has been designed to replace older trip devices at a fraction of the cost. The Logic has the ability to work with the existing Sensors and Actuator, or a Retrofit kit can be supplied. Existing Communications Systems can be utilized when the optional Communications Interface is ordered. The drawing on page 2 shows the **WESTRIP RMS-2000** interfaced with the Power Measurements 7700 ION.

The 7700 ION is referenced in this manual to show the flexibility of the **WESTRIP RMS-2000.** The actual arrangement and wiring may vary for your application depending upon the options and requirements within the system.

Our full range of **WESTRIP RETRO-KITS** will allow our customers to retro-fit any circuit breaker with the features required for all the various applications demanded with both cost and feature benefits which are unprecedented in the marketplace.

RMS-2000 SOLID STATE PROGRAMMER

The **WESTRIP** solid state programmer is a static trip device designed to provide more precise and definite tripping characteristics, when retrofitted on low voltage, air circuit breakers, than the thermal magnetic trip units, which it replaces.

The **WESTRIP** programmer comes in a single unit configuration. The Logic Control comes with 'LONG TIME', 'SHORT TIME', and 'INSTANTANEOUS' tripping functions as standard equipment. The 'GROUND FAULT' tripping function is also available. 'AMP TAP', 'I^{2}T', Long Time pick up light, Power light, Trip indicators, and an Indicator reset button are also standard. A 'Defeat Selector' switch is given to allow the customer the ability to configure the unit without the 'SHORT TIME' or 'INSTANTANEOUS' function. The unit has a built-in discriminator circuit that will be operational for approximately 128 milliseconds after startup. If a fault condition exists that exceeds a 12X rating the logic will send an 'INSTANTANEOUS' trip signal to the actuator.
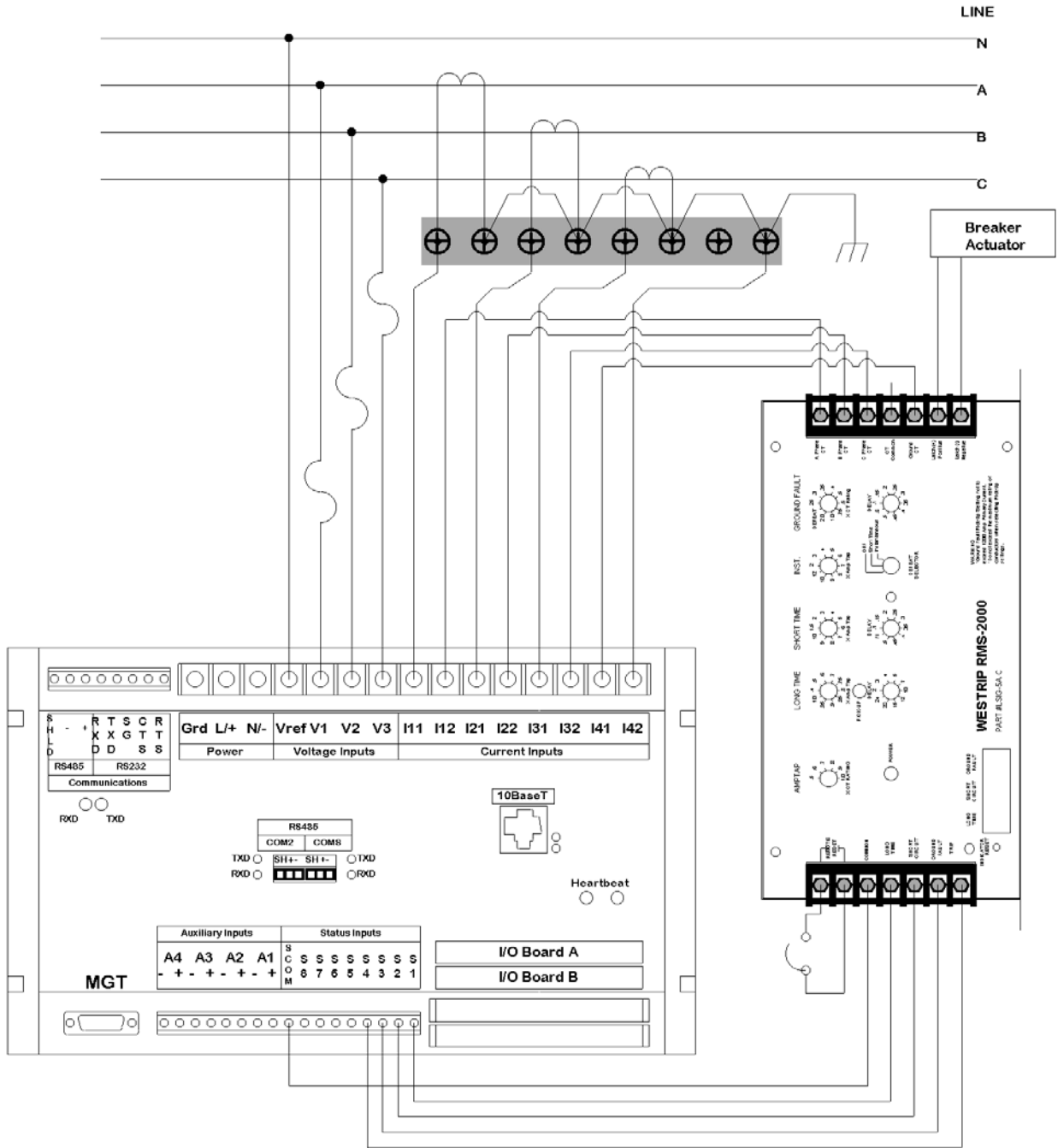
COMMUNICATIONS INTERFACE OPTION

The optional 'Communications Interface' provides the user with the ability to interface the **WESTRIP Logic Control** with an existing communication system. The logic provides sets of normally open dry contact outputs that are available through a second terminal block located on the left side of the Logic Control. The respective output will latch closed on a fault condition and will remain closed until it is reset. Reset will occur when the 'INDICATOR RESET' switch is pressed or when the 'Remote Reset' terminals on the 'CI' terminal block are shunted.

Outputs are provided for each target indicator, which may include 'Short Circuit', 'Overload', and 'Ground Fault'. A contact for 'Trip' can also be provided. Actual outputs will vary depending upon customer needs.

The relays are setup to close each time the target indicators flip and the logic trips. On startup conditions, an 'Instantaneous' trip may not be indicated by relay closure due to the high speed at which it occurs. When the elapsed time exceeds 100 milliseconds, relay closure is guaranteed. To provide for the relays to be reset, current must be flowing to the logic at a level of at least 20% of the Current Transformer rating.

COMMUNICATION INTERFACE TERMINAL BLOCK (OPTION)

A seven-position terminal block that allows the 'Logic Control' to be interfaced with an existing communication system. The connections will be made per the indication on the Logic. The 'Remote Reset' requires only a dry contact closure to reset the indication within the box.

Diagram
The above diagram shows the **WESTRIP RMS-2000** interfaced with the Power Measurements 7700 ION**.**
Actual wiring will vary depending on system and application requirements.