## **SEL-387E**

## **CURRENT DIFFERENTIAL AND VOLTAGE RELAY**



## **BUDGETARY RETAIL**

Quantity 1: \$5,780

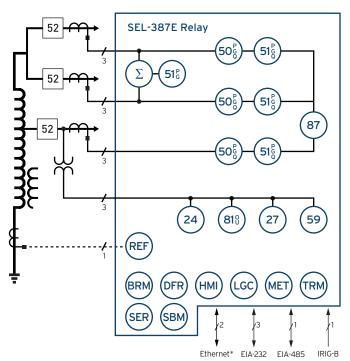
## **FEATURED APPLICATIONS**

Three-Winding Current Differential Protection-Protect two- to three-winding power transformers with programmable single- or dual-slope percentage restraint, supervised by a choice of second- and fourth-harmonic blocking or restraint elements, plus fifth-harmonic and dc blocking elements.

Overexcitation Protection-Detect overexcitation conditions to prevent overheating and damage in the protected apparatus with the volts-per-hertz elements. Choose definitetime elements, multiple curves, and custom programmable curves for alarm and tripping applications.

Overcurrent Protection-Each three-phase current input terminal has a total of 11 overcurrent elements, 9 of which are torque-controllable, providing comprehensive overcurrent protection on each winding input. For backup overcurrent protection in ring-bus or breaker-and-a-half configurations, two combined overcurrent elements operate on the sum of the currents from Windings 1 and 2. The combined currents from two separate breaker CTs emulate the current as if from a single bushing CT applied on the transformer.

Restricted Earth Fault (REF) Protection—The REF function compares the directions of neutral current and winding residual current for sensitive ground fault detection in grounded-wye or autotransformer-connected windings.



ANSI NUMBERS/ACRONYMS AND FUNCTIONS		
24	Volts/Hertz	
27	Undervoltage	
50 (P,G,Q)	Overcurrent (Phase, Ground, Neg. Seq.)	
51 (P,G,Q)	Time-Overcurrent (Phase, Ground, Neg. Seq.)	
59	Overvoltage	
81 (O,U)	Over-/Underfrequency	
87	Current Differential	
DFR	Event Reports	
ENV	SEL-2600	
HMI	Operator Interface	
LGC	SELogic® Control Equations	
MET	High-Accuracy Metering	
REF	Restricted Earth Fault	
SER	Sequential Events Recorder	

ADDITIONAL FUNCTIONS		
BRM	Breaker Wear Monitor	
SBM	Station Battery Monitor	
TRM	Transformer Monitor	

<sup>\*</sup>Optional Feature

FOR COMPLETE INFORMATION, VISIT SELINC.COM/SEL-387E