



VERITEK

# CURRENT RELAY



VIPS AT-01

## FEATURES

- (1) Programmable Under / Over Current & Phase Fail.
- (2) Configurable for 1 Phase & 3 Phase systems.
- (3) Individual Fault can be deactivated as per system requirement.
- (4) Programmable CT Primary ratio, Delay & Hysteresis.
- (5) Auto / Manual reset option.
- (6) Consistent reliability with high accuracy.
- (7) 3 Digit Bright Display to indicate Current.
- (8) LED indicator for healthy / faulty status.

## PARAMETER DISPLAYED

- ✓ R Amps
- ✓ Y Amps
- ✓ B Amps
- ✓ Scroll time 5 secs.

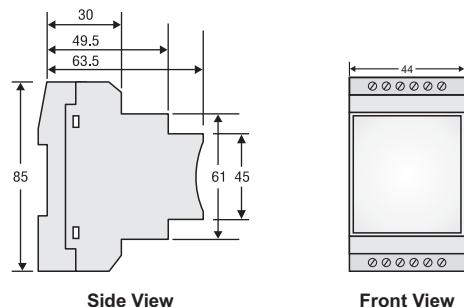
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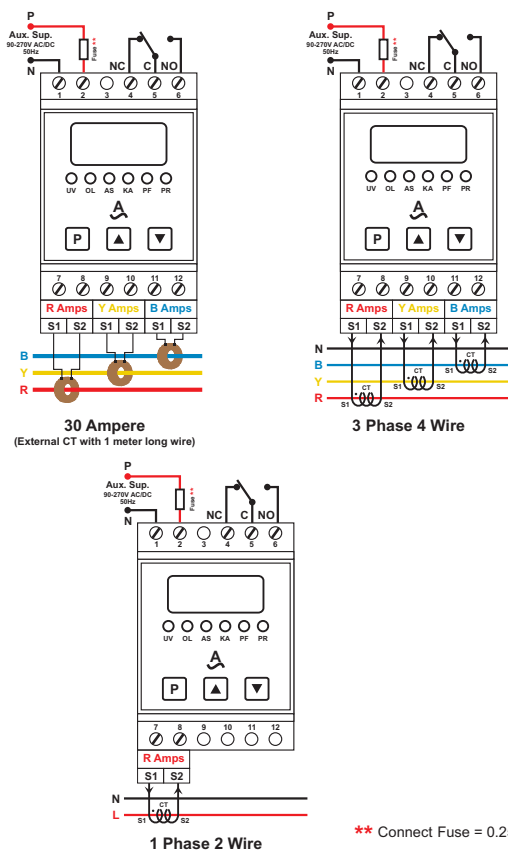
## PROTECTION AVAILABLE

- (1) Over Load
- (2) Under Load
- (3) Current Unbalance Asymmetry
- (4) Starting Time Delay
- (5) Phase Reversal
- (6) Phase Loss (150% overloaded setting)

## MECHANICAL DIMENSION



## CONNECTION DETAILS



\*\* Connect Fuse = 0.25 A

## PROGRAMMING

<b>CTr</b>	CT Ratio (Primary Current)	<b>PHF</b>	Phase Failure (3Ø Only)
<b>PHR</b>	Phase 3 or 1	<b>LTn</b>	Selection Trip Type
<b>O-1</b>	Over Current	<b>uRn</b>	Manual Tripping
<b>u-1</b>	Under Current	<b>Aut</b>	Auto Tripping
<b>ASn</b>	Asymmetry Current (3Ø Only)	<b>R-t</b>	Auto Reset Time (auto trip only)
<b>ttn</b>	Trip Time (over load & asymmetry)	<b>Std</b>	Start Time Delay (auto trip only)
<b>HYS</b>	Hysteresis	<b>u-t</b>	Under Current Trip Time
<b>PRr</b>	Phase Reversal (3Ø Only)	<b>uRL</b>	Value

<b>CTr</b>	<b>P</b>	To enter into CT Ratio (Primary Current)
<b>▲ / ▼</b>		To change value of CT Ratio (005 - 5.00KA)

<b>PHR</b>	<b>P</b>	To enter into Select Phase
<b>▲ / ▼</b>		To change Phase 3 or 1

<b>O-1</b>	<b>P</b>	To enter into Over Current
<b>uSE / OFF</b>	<b>▲ / ▼</b>	To Select Use / Off
<b>uRL</b>	<b>▲ / ▼</b>	To change value of over current

<b>u-1</b>	<b>P</b>	To enter into Under Current
<b>uSE / OFF</b>	<b>▲ / ▼</b>	To Select Use / Off
<b>uRL</b>	<b>▲ / ▼</b>	To change value of under current

<b>ASn</b>	<b>P</b>	To enter into Asymmetry Current (3Ø Only)
<b>uSE / OFF</b>	<b>▲ / ▼</b>	To Select Use / Off
<b>uRL</b>	<b>▲ / ▼</b>	To change value of asymmetry current

<b>ttn</b>	<b>P</b>	To enter into Trip Time of over load & asymmetry
<b>▲ / ▼</b>		To change value (0.2 - 99 sec)

<b>HYS</b>	<b>P</b>	To enter into Hysteresis
<b>▲ / ▼</b>		To change value of hysteresis (1 - 25% of primary current)

<b>PRr</b>	<b>P</b>	To enter into Phase Reversal (3Ø only)
<b>uSE / OFF</b>	<b>▲ / ▼</b>	To select Use / Off

<b>PHF</b>	<b>P</b>	To enter into Phase Failure (3Ø only)
<b>uSE / OFF</b>	<b>▲ / ▼</b>	To select Use / Off

<b>LTn</b>	<b>P</b>	To enter into Trip Type
<b>uRn / Aut</b>	<b>▲ / ▼</b>	To select manual / auto tripping

<b>R-t</b>	<b>P</b>	To enter into Auto Reset Time (only for auto Tripping)
<b>▲ / ▼</b>		To change value of auto reset time (0 - 999 sec)

<b>Std</b>	<b>P</b>	To enter into Start Time Delay (only for auto Tripping)
<b>▲ / ▼</b>		To change value of start time delay

<b>u-t</b>	<b>P</b>	To enter into Under Current Trip Time
<b>▲ / ▼</b>		To change value

## SPECIFICATION

<b>Aux. Supply</b>	: 3 Phase 4 Wire / 1 Phase System 90-270 VAC/DC
<b>Frequency</b>	: 50/60 Hz
<b>Burden</b>	: < 3 VA
<b>Delay</b>	: 0.2 Sec. to 99 Sec.
<b>Relay Contacts</b>	: 1 Potential Free Contact (NO, C & NC) (De-Energise on Fault)
<b>Contact Rating</b>	: 6 Amps / 230 VAC / 28 VDC
<b>Nominal Current</b>	: 5 Amps, Direct 30 ampere optional
<b>Accuracy</b>	: Class 1
<b>Operating Temp</b>	: -10°C to +70°C
<b>Storage Temp</b>	: -20°C to +55°C
<b>Humidity</b>	: < 95% RH (non condensing)
<b>Dimension</b>	: 90 x 45 x 75 mm (L x B x H)
<b>Mounting</b>	: Din (35 mm Rail) / 2 x m4 Screw
<b>Weight</b>	: 200 gms
<b>Hysteresis</b>	: 1 - 25% of PT
<b>Set Point</b>	: 10% - 120% of nominal

## SAFETY PRECAUTIONS :

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it might impair the protection provided by the equipment.

If there is physical damage to the unit then do not use it.

Read complete instruction prior to installation and operation of the unit.

## WIRING GUIDELINES :

### Warning

- 1) To Prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement.
- 2) Wiring shall be done strictly according to the terminal layout with shortest connection. Conform that all connection are correct.

### CAUTION :



- 1) To ensure the safe operation of unit, check the wiring and connections.