



ANLY CONTROLLER

EP4-1 DIGITAL VOLTAGE PROTECTIVE RELAY



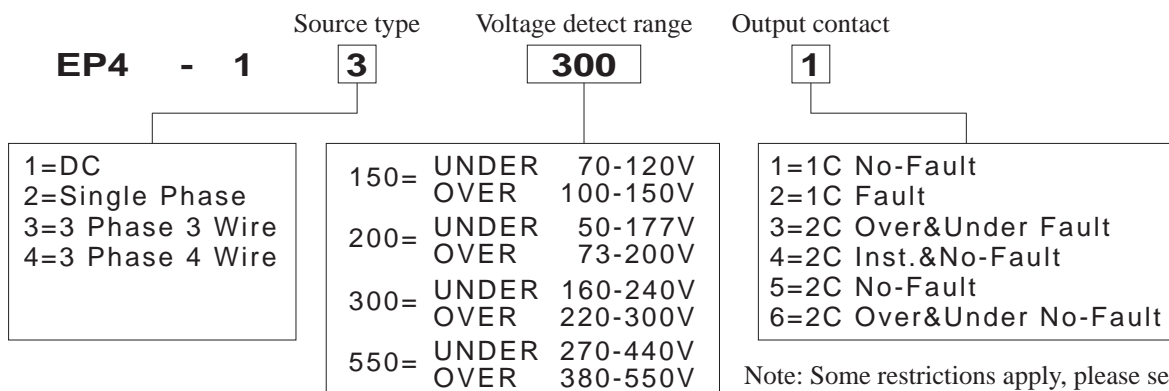
CHARACTERISTIC :

- Digital voltage indicator and fault detector
- Over voltage detection with 0.5sec~120sec tripping delay
- Under voltage detection with 0.5sec~120sec tripping delay
- Phase-loss detection with 2sec fixed tripping delay
- Phase sequence detection with 0.5sec fixed tripping delay
- 3-phase voltage balance($\pm 5\%$) detection with 3sec fixed tripping delay
- Phase-loss detection with active motor
- Manual / Auto Reset selectable - 1sec or 5sec auto reset tripping delay

SPECIFICATION :

Operating voltage	AC/DC(V): 100 - 240
Allowable operating voltage range	85 ~ 110% of rated operating voltage
Rated frequency	50 / 60 Hz
Detecting method	Detect 3-phase supply voltage
Reset time	1S / 5S
Contact rating	250VAC 5A (resistive load)
Power consumption	Approx. 3.3VA
Life	Mechanical: 5,000,000 times Electrical: 100,000 times
Ambient temperature	-10 ~ +50°C (without condensation & freezing)
Ambient humidity	MAX 85%RH (without condensation)
Altitude	MAX 2000m
Weight	Approx. 130g

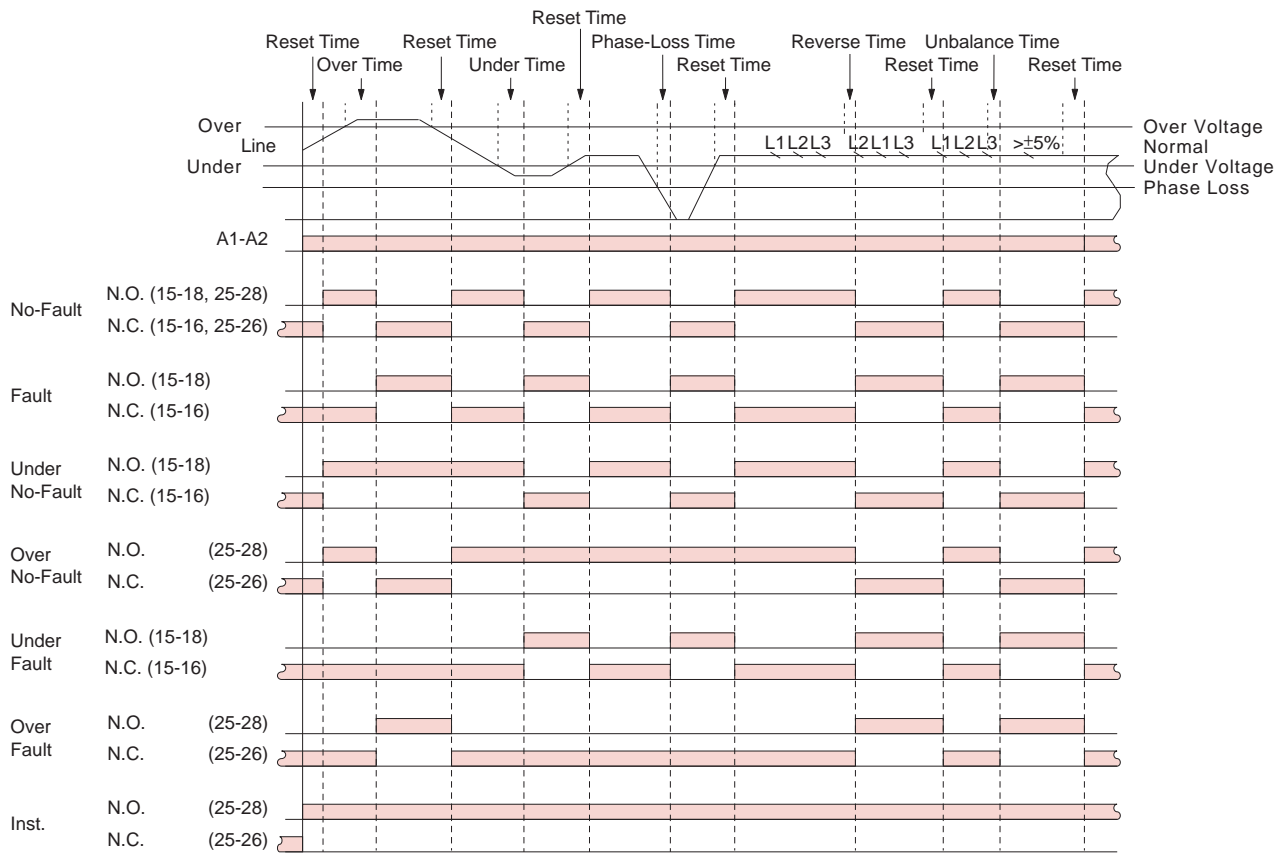
TYPE SELECTION :



Voltage type		DC Type	Single Phase	3 Phase 3 Wire	3 Phase 4 Wire
		EP4-11----	EP4-12----	EP4-13----	EP4-14----
Voltage detect range	50-200V	EP4-11200-	N/A	N/A	N/A
	70-150V	EP4-11150-	EP4-12150-	EP4-13150-	N/A
	160-300V	EP4-11300-	EP4-12300-	EP4-13300-	EP4-14300-
	270-550V	N/A	EP4-12550-	EP4-13550-	EP4-14550-

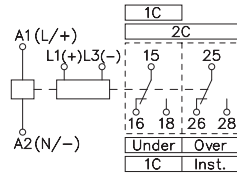
Output contact	1C No-Fault	1C Fault	2C Over & Under Fault
	EP4-1-----1	EP4-1-----2	EP4-1-----3
	2C Inst. & No-Fault	2C No-Fault	2C Over & Under No-Fault
	EP4-1-----4	EP4-1-----5	EP4-1-----6

TIMING CHART :

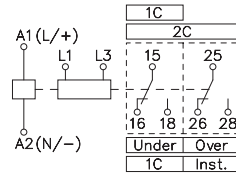


CONNECTION :

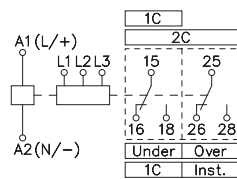
DC Type



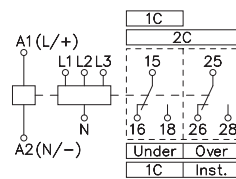
Single Phase



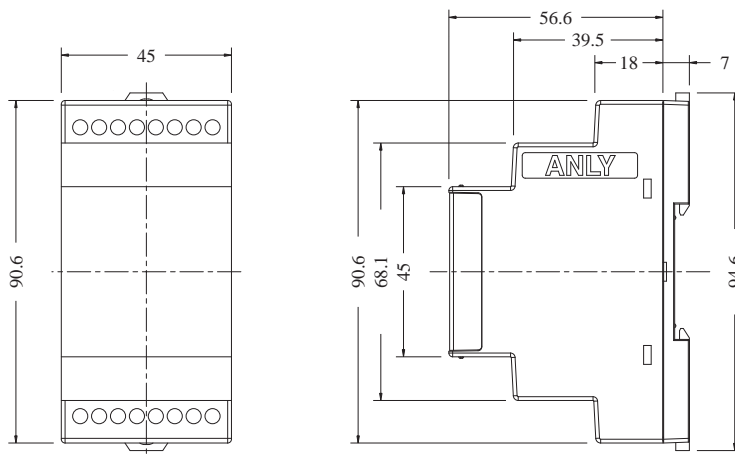
3 Phase 3 Wire



3 Phase 4 Wire



DIMENSIONS : (mm)



Tolerance: ± 0.1

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