

▷ Protection Relay (PAC-E100)

- Over Current & Earth Fault Relay (PAC-E100)
- Over Voltage & Under Voltage Relay (PAC-E500)



Power Supply	Input	110 ~ 220Vac ± 20% (50/60Hz), 80~300vdc
	Power onsumption	<10VA
Phase Current Input(E100)	Normal Frequency	50/60Hz
	Phase CT Secondary	5A(1A option)
	Ground CT Secondary	5A (E100) (1A option)
	Input Range	0.1~250A(0.02~50A option)
	Burden	<0.5VA
	Current Withstand	1 sec at 100 times rated, 2 sec at 40 times rated, 4 sec at 20 times rated, continuous at 3 times rated
Voltage Input (E500)	normal Frequency	50/60Hz
	Input Range	1~200V
	Burden	<0.5VA per Phase
Contact Input	Voltage Withstand	Continuous at 220V
	Number	4, configurable
	Voltage Range	250Vdc Maximum
Contact output	Recognition Time	10m sec
	Number	2NO, 2NC, configurable
	Make and carry	6A continuous
Communication Interface	Breaking Capacity	30A, 0.5sec, DC125, resistive Load
	Front panel	1A, 0.1(PF), AC250, 1A, L/R of 25m sec, DC125
	Rear panel	RS232, 19200bps(fixed), 8/N/1, Modbus protocol
Environmental	Front panel	RS232,physically identical port to front pannel RS 232
	Operating temperature	-25°C ~ 70°C
	Rear panel	Galvanic isolated RS 485, 8/N/1, 300~38400bps, Modbus protocol / DNP 3.0 / IEC60870-5-103
Type Test	Humidity (non-condensing)	up to 100%
	Altitude	up to 2000m
	Insulation	IEC 60255-5, ANSI/IEEE C37.90.0
	Oscillatory Trasient	IEC 60255-22-1, ANSI/IEEE C37.90.1
	Surge Immunity	IEC 60255-22-5 class IV
	Fast Transient	IEC 60255-22-4 class IV, ANSI/IEEE C37.90.1
	Electronic discharge	IEC 60255-22-2 class III
	RFI susceptibility	IEC 60255-22-3 class 3, ANSI/IEEE C37.90.2
Vibration	Vibration	IEC 60255-22-1 class II
	Shock	IEC 60255-22-2 class II