





# Innovated EVRPD

EOCR R&D

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# What's innovated the new EVRPD ?

- ✓ Add functions :
  - Total harmonic monitoring
  - Network frequency monitoring
  - Indicate voltage unbalance
  - Strengthen security by setting a password
- ✓ Quality :
  - Improved Measurement & protection accuracy :  $\pm 1\%$  (from 5%)
  - Enhanced EMC immunity
- ✓ Others
  - Extended voltage monitoring range from 100 to 480 V AC
  - Unified the 1&3phase voltage monitoring
  - Unified the network frequency monitoring for 50Hz and 60 Hz
  - Selectable whether to use fail safe mode or not

Before	After
	
Dimensions : 50 x 79.3 x 106.5	Dimensions : 62 x 74.8 x 89.5

# What's innovated the new EVRPD ?

✓ Product Characteristic :

		OLD	NEW
공급전압		85...250 V AC/DC	100...240 V AC
입력(계측) 전압		1P : 110, 220 V 3P : 220, 380, 440, 480 V 50Hz or 60Hz	1P&3P : 100...480 V 50/60Hz
과전압보호		110...500 V	100...550 V
저전압보호		80...480 V	70...480 V
결상		●	●
불평형		●	●
역상		●	●
동작시간	과 전압	0.2...10s	0.2...30s
	부족전압	0.2...10s	0.2...30s
	자동복귀	Off, 1...10s	Off, 0.5...30s
	결상	Off, 0.1s	Off, 0.1...30s
	불평형	Off, 0.5...10s	Off, 0.2...20s
	역상	Off, 0.5s 이내	Off, 0.15s 이내
오차	전압	+/- 5%	+/- 1%
	시간	+/- 10%	+/- 5% or +/- 0.2s
Output Contacts	3A/250 V AC	1-SPDT	1-SPDT
트립원인저장		3회	3회
3상 전압정전 보호시간 설정		●	●
Fail safe mode(NVR)		-	●
패스워드 설정		-	●
전압표시		4-digits	5-digits
전압불평형률 표시		-	바그레프
고주파계측		-	●
네트워크 주파수		-	●

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✓ Simplified product reference : 26 ref. to 1 ref.

①	②	③	① - Range Name	② Protection reange	③ - Control Voltage(Us)
<b>EVRPD</b>	<b>- 44</b>	<b>U</b>	EVRPD : Digital AC Voltage Relay	44 : 100...480 V	U : 100...240 V AC

Old Material	Material description	new Reference	Material description
EVRFD-110NZ5M	EVR-FD MODE 110 N 50HZ	Discontinued	
EVRFD-110NZ6M	EVR-FD MODE 110 N 60HZ		
EVRFD-110NZ6SM	EVR-FD MODE 110 N 1P 60HZ		
EVRFD-220NZ6M	EVR-FD MODE 220 N 60HZ		
EVRFD-220NZ6SM	EVR-FD MODE 220 N 1P 60HZ		
EVRFD-220RZ6SM1	EVR-FD MODE 220 R 1P 60HZ 0.1S		
EVRFD-440NZ5M	EVR-FD MODE 440 N 50HZ		
EVRFD-440NZ5MQ	EVR-FD MODE EP 440 N 50HZ		
EVRFD-440NZ6M	EVR-FD MODE 440 N 60HZ		
EVRFD-440RZ6M1	EVR-FD MODE 440 R 60HZ 0.1SEC		
EVRFD-440RZ6SM1	EVR-FD MODE 440 R 1P 60HZ		
EVRPD-110NZ5M	EVR-PD MODE 110 N 50HZ		
EVRPD-110NZ5SM	EVR-PD MODE 1-PHASE 110N 50HZ		
EVRPD-110NZ6M	EVR-PD MODE 110 N 60HZ		
EVRPD-110NZ6SM	EVR-PD MODE 110 N 1P 60HZ		
EVRPD-220NZ5M	EVR-PD MODE 220N 50HZ		
EVRPD-220NZ5SM	EVR-PD MODE 1-PHASE 220 N 50HZ		
EVRPD-220NZ6M	EVR-PD MODE 220 N 60HZ		
EVRPD-220NZ6SM	EVR-PD MODE 220 N 1P 60HZ		
EVRPD-440NBM	EVR-PD MODE 440 N 24		
EVRPD-440NZ5M	EVR-PD MODE 440 N 50HZ		
EVRPD-440NZ5M4	EVR-PD MODE 440 N 50HZ OV OFF		
EVRPD-440NZ5MQ	EVR-PD MODE EP 440 N 50HZ		
EVRPD-440NZ6M	EVR-PD MODE 440 N 60HZ		
EVRPD-480NZ5M	EVR-PD MODE 480 N 50HZ		
EVRPD-480NZ6M	EVR-PD MODE 480 N 60HZ		



Life Is On