



TECHNICAL DATA SHEET

PRODUCT DESCRIPTION		SINGLE PHASE VOLTAGE MONITORING RELAY		
PRODUCT IDENTIFICATION		VMR - 1 - UV	VMR - 1 - OV	VMR - 1 - OUV
TECHNICAL SPECIFICATION		Under Voltage Relay	Over Voltage Relay	Over & Under Voltage Relay
SUPPLY VOLTAGE		220/230 V AC ± 20% 50Hz	220/230 V AC ± 20% 50Hz	220/230 V AC ± 20% 50Hz
OUTPUT RELAY CONTACT		1 NO + 1 NC 5A @ 230 VAC (Resistive)	1 NO + 1 NC 5A @ 230 VAC (Resistive)	1 NO + 1 NC 5A @ 230 VAC (Resistive)
TRIP SETTING	UNDER VOLTAGE (70 - 100 % adjustable)	160-230V	NA	160-230V
	OVER VOLTAGE (100 - 120 % adjustable)	NA	230-275V	230-275V
PHASE FAILURE (Fixed)		< 50 V	< 50 V	< 50 V
TRIP TIME (0 - 30 Sec adjustable)		0 - 30 Sec	0 - 30 Sec	0 - 30 Sec
FAULT RESET		Auto / Manual	Auto / Manual	Auto / Manual
AMBIENT TEMPERATURE		-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
DIMENSION (lxbxh)		75x45x108 mm	75x45x108 mm	75x45x108 mm
TERMINALS		No. 14 AWG / 2.5 mm ² Max 12 - 20 lb.in / 1.3 - 2.3 Nm	No. 14 AWG / 2.5 mm ² Max 12 - 20 lb.in / 1.3 - 2.3 Nm	No. 14 AWG / 2.5 mm ² Max 12 - 20 lb.in / 1.3 - 2.3 Nm
MOUNTING		DIN Rail & M4 Screw	DIN Rail & M4 Screw	DIN Rail & M4 Screw
PRODUCT DESCRIPTION		THREE PHASE THREE WIRE VOLTAGE MONITORING RELAY		
PRODUCT IDENTIFICATION		VMR - 3-3 - UV	VMR - 3-3 - OV	VMR - 3-3 - OUV
TECHNICAL SPECIFICATION		Under Voltage Relay	Over Voltage Relay	Over & Under Voltage Relay
SUPPLY VOLTAGE		415 V ± 20% 50 Hz	415 V ± 20% 50 Hz	415 V ± 20% 50 Hz
OUTPUT RELAY CONTACT		1 NO + 1 NC 5A @ 230 VAC (Resistive)	1 NO + 1 NC 5A @ 230 VAC (Resistive)	1 NO + 1 NC 5A @ 230 VAC (Resistive)
TRIP SETTING	UNDER VOLTAGE (70 - 100 % adjustable)	290-415V	NA	290-415V
	OVER VOLTAGE (100 - 120 % adjustable)	NA	415-500V	415-500V
PHASE FAILURE (Fixed)		< 50 V	< 50 V	< 50 V
REVERSE SEQUENCE PROTECTION		YES	YES	YES
TRIP TIME (0 - 30 Sec adjustable)		0 - 30 Sec	0 - 30 Sec	0 - 30 Sec
FAULT RESET		Auto / Manual	Auto / Manual	Auto / Manual
AMBIENT TEMPERATURE		-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
DIMENSION (lxbxh)		75x45x108 mm	75x45x108 mm	75x45x108 mm
TERMINALS		No. 14 AWG / 2.5 mm ² Max 12 - 20 lb.in / 1.3 - 2.3 Nm	No. 14 AWG / 2.5 mm ² Max 12 - 20 lb.in / 1.3 - 2.3 Nm	No. 14 AWG / 2.5 mm ² Max 12 - 20 lb.in / 1.3 - 2.3 Nm
MOUNTING		DIN Rail & M4 Screw	DIN Rail & M4 Screw	DIN Rail & M4 Screw
PRODUCT DESCRIPTION		THREE PHASE FOUR WIRE VOLTAGE MONITORING RELAY		
PRODUCT IDENTIFICATION		VMR - 3-4 - UV	VMR - 3-4 - OV	VMR - 3-4 - OUV
TECHNICAL SPECIFICATION		Under Voltage Relay	Over Voltage Relay	Over & Under Voltage Relay
SUPPLY VOLTAGE		220/230 V AC ± 20% 50Hz	220/230 V AC ± 20% 50Hz	220/230 V AC ± 20% 50Hz
OUTPUT RELAY CONTACT		1 NO + 1 NC 5A @ 230 VAC (Resistive)	1 NO + 1 NC 5A @ 230 VAC (Resistive)	1 NO + 1 NC 5A @ 230 VAC (Resistive)
TRIP SETTING	UNDER VOLTAGE (70 - 100 % adjustable)	290-415V	NA	290-415V
	OVER VOLTAGE (100 - 120 % adjustable)	NA	415-500V	415-500V
PHASE FAILURE (Fixed)		< 50 V	< 50 V	< 50 V
REVERSE SEQUENCE PROTECTION		YES	YES	YES
TRIP TIME (0 - 30 Sec adjustable)		0 - 30 Sec	0 - 30 Sec	0 - 30 Sec
FAULT RESET		Auto / Manual	Auto / Manual	Auto / Manual
AMBIENT TEMPERATURE		-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
TERMINALS		No. 14 AWG / 2.5 mm ² Max 12 - 20 lb.in / 1.3 - 2.3 Nm	No. 14 AWG / 2.5 mm ² Max 12 - 20 lb.in / 1.3 - 2.3 Nm	No. 14 AWG / 2.5 mm ² Max 12 - 20 lb.in / 1.3 - 2.3 Nm
MOUNTING		DIN Rail & M4 Screw	DIN Rail & M4 Screw	DIN Rail & M4 Screw