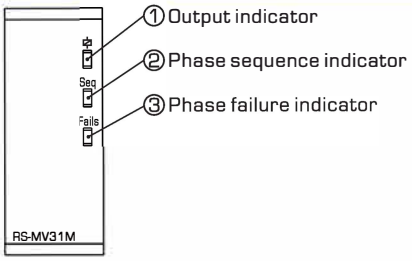
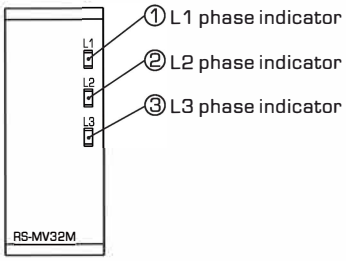
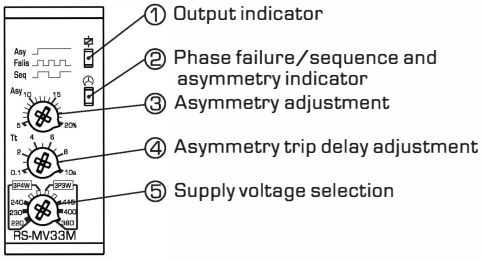
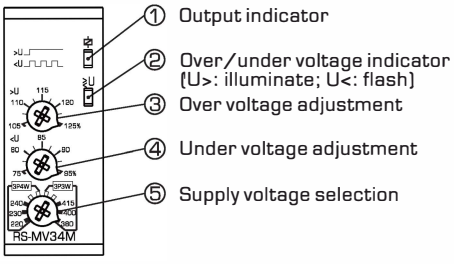
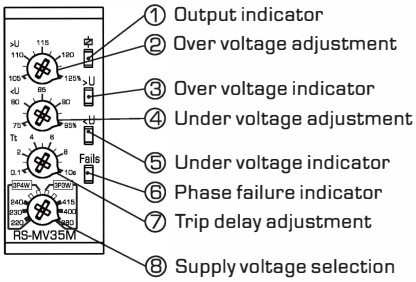
Three phase voltage monitoring relay RS-MV31M-37M

Features

- Microcontroller based.
- True RMS measurement
- Select 3phase 3wire or 3phase 4wire mode by a knob.
- N phase failure protection for 3phase 4 wire
- 1NO+1NC output-8A
- LED indication for supply and output state
- 1 module Din-rail mounting

Technical data

Modes	3phase 3wire	3phase 4wire
Supply terminals	L1,L2,L3	L1,L2,L3,N
Supply voltage	380V/400V/415V	220V/230V/240V
Operating voltage range	266V-540V	154V-312V
U> setting value	(105%-125%)xUn	
U< setting value	(75%-95%)xUn	
Asymmetry setting	adjustable: 5%~20%; fixed: 8%	
U> trip delay	adjustable: 0.1~10s; fixed: 2s	
U< trip delay	adjustable: 0.1~10s; fixed: 2s	
Asymmetry trip delay	adjustable: 0.1~10s; fixed: 2s	
Hysteresis	2% fixed	
Trip time for incorrect phase sequence and phase failure	<0.5s	
Delay error	±10%+0.1s	
Knob setting error	1% x scale value	
Rated insulation voltage	415V	
Output contacts	1NO+1NC	
Current rating	8A/250V AC1	
Mechanical life	10^8	
Electrical life	10^5	
Protection degree	IP20	
Pollution degree	3	
Altitude	≤2000m	
Operating temperature	-20°C~55°C	
Permissable relative humidity	≤50% at 40°C(without condensation)	
Storage temperature	-30°C~70°C	
Wire size/Torque	0.5mm²~2.5mm²/0.5Nm	
Mounting	TH-35 Rail(EN60715)	

Models	U>	U<	Phase failure	Phase sequence	Asymmetry
RS-MV31M			●	●	
RS-MV32M			●	●	●
RS-MV33M			●	●	●
RS-MV34M	●	●	●		
RS-MV35M	●	●	●		
RS-MV36M	●	●	●	●	
RS-MV37M	●	●	●	●	●

Front-face panel