

Zelio Control RM17, RM22, and RM35 control relays



1 3-phase monitoring relays for DIN rail mounting

Phase loss and sequence	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Asymmetry	-	-	Yes	-	-	Yes	-
Undervoltage	-	-	-	Yes	Yes	-	-
> U > window mode	-	-	-	-	-	Yes	Yes
Measuring range	183...528 VAC	183...484 VAC	183...528 VAC	183...528 VAC	160...288 VAC	183...528 VAC	304...576 VAC
Output contacts/Current	1 CO / 5 A	2 CO / 5 A	1 CO / 5 A		2 CO / 8 A	1 CO / 5 A	2 CO / 8 A
Power supply	Self-powered			Self-powered			
Frontal width (mm)	17.5 mm			22.5 mm	17.5 mm	22.5 mm	
Complete product	RM17TG00	RM17TG20	RM17TA00	RM17TU00	RM22TU21	RM17TE00	RM22TR33

2 3-phase voltage monitoring relays for DIN rail mounting

Detected loss of one or more phases	Yes	Yes	Yes				
Absence of neutral	-	Yes	-				
Overvoltage and undervoltage	-	Yes	Yes				
Measuring range	183...528 VAC	114...329 VAC	194...528 VAC				
Output contacts/Current	1 CO / 5 A	1 CO 5A for > U threshold + 1 CO 5A for < U threshold					
Power supply	Self-powered						
Frontal width (mm)	17.5 mm	35 mm	35 mm				
Complete product	RM17UB310	RM35UB3N30	RM35UB330				

3 Phase or DC voltage monitoring relays for DIN rail mounting

> U > window mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overvoltage	Yes	Yes	Yes	Yes	Yes	Yes	-
Undervoltage	Yes	Yes	Yes	Yes	Yes	Yes	-
Measuring range	20...80 VAC/VDC	65...260 VAC/VDC	0.05...5 VAC/VDC	1...100 VAC/VDC	15...500 VAC/VDC	15...500 VAC/VDC	80...300 VAC/VDC
Output contacts/Current	1 CO / 5 A		2 CO / 8 A				
Power supply	Self-powered			24...240 VAC		380...415 VAC	110...240 VAC
Frontal width (mm)	17.5 mm	17.5 mm	22.5 mm	22.5 mm	22.5 mm	22.5 mm	
Complete product	RM17UBE15	RM17UBE16	RM22UA31MR	RM22UA32MR	RM22UA33MR	RM22UA33MT	RM22UB34



4 Current monitoring relays for DIN rail mounting

Monitoring characteristics	Overcurrent	> I > window mode with/without memory				
Integrated current transformer	Yes	-				
Measuring range	2...20 A	4...1,000 mA	2...500 mA	0.15...15 A		
Output contacts/Current	1 CO / 5 A	2 CO / 8 A	2 CO / 5 A		2 CO / 8 A	
Power supply	24...240 VAC/VDC					
Frontal width (mm)	17.5 mm	22.5 mm	35 mm	35 mm		
Complete product	RM17JC00MW	RM22JA31MR	RM35JA31MW	RM35JA32MW	RM35JA32MR	RM35JA32MT

5 Level monitoring relays for DIN rail mounting

Level monitoring by	Resistive probe			Discrete sensor		
Measuring range	5...100 kΩ		25 Ω...1 MΩ		-	
Output contacts/Current	1 CO / 8 A		2 CO / 8 A		2 CO / 5 A	
Power supply	24...240 VAC/VDC	380...415 VAC	24...240 VAC/VDC	380...415 VAC	24...240 VAC/VDC	24...240 VAC/VDC
Frontal width (mm)	22.5 mm		35 mm			
Complete product	RM22LG11MR	RM22LG11MT	RM22LA32MR	RM22LA32MT	RM35LM33MW	RM35LV14MW

Note: Please consult our general catalog for other application relays available for motor temperature monitoring and pump, frequency, speed or temperature control.

Zelio Time electronic timing relays



1 Timing relays with screw terminals for DIN rail mounting, 1 contact

Type	1 function	2 functions	2 functions	1 function	Multifunction	Multifunction
Functions (1)	A	A, At	L, Li	C	A, At, B, C, H, Ht, D, Di, Ac, Bw	Ad, Ah, N, O, P, Pt, T, Tt, W
Timing range	0.1 s...100 h					
Type of output/current	1 solid state 0.7 A			1 relay output 1 CO / 8 A		
Power supply	24...240 VAC/VDC		24 VDC, 24...240 VAC		12...240 VAC/VDC	
Frontal width (mm)	17.5 mm		17.5 mm			
Complete product	RE17LAMW	RE17RAMU	RE17RLMU	RE17RCMU	RE17RMMW (2)	RE17RMXMU

2 Timing relays with screw terminals for DIN rail mounting, 2 contacts

Type	3 functions	2 functions	Multifunction
Functions (1)	A, At, Aw	C, Ct	A, At, Aw, C, Ct, D, Dt, Dw, Di, Dlt, Diw, H, Ht, Hw, Gg, Qgt, Ggw, Qt, Qtt, Qtw, W, Wt
Timing range	0.05 s...300 h		
Type of output/current	2 CO / 8 A		
Power supply	24 VDC, 24...240 VAC		
Frontal width (mm)	22.5 mm		
Complete product	RE22R1MAMR	RE22R2CMR	RE22R2MYMR

3 Miniature plug-in timing relays for DIN rail mounting

Function (1)	A (Delay on energization)					
Timing range	0.1 s...100 h					
Type of output/current	2 CO / 5 A		4 CO / 5 A			
Power supply	24 VDC	120 VAC	230 VAC	24 VDC	120 VAC	230 VAC
Dimension	21 x 27 mm miniature plug-in					
Complete product	REXL2TMBD	REXL2TMF7	REXL2TMP7	REXL4TMBD	REXL4TMF7	REXL4TMP7
Screw connector socket (3)	RXZE2S108M		RXZE2S114M			

4 48 x 48 mm analog plug-in (8-pins) timing relays for DIN rail or front panel mounting

Type	1 function	4 functions	2 functions	4 functions
Functions (1)	A	A1, A2, H1, H2	L, Li	A, B, C, Di
Timing range	0.02 s...300 h			
Type of output/current	1 CO / 5 A	1 + 1 (instant.) / 5 A		2 CO / 5 A
Power supply	24...240 VAC/VDC			
Dimension	48 x 48 mm analog panel-mounted or plug-in			
Complete product	RE48ATM12MW	RE48AMH13MW	RE48ACV12MW	RE48AML12MW
Screw connector socket (4)	RUZC2M		RUZC3M	

A: power on-delay relay
 Ac: on-delay & off-delay relay with control signal
 Act: on-delay & off-delay relay (5)
 Ad: pulse delayed relay with control signal
 Ah: pulse delayed relay (single cycle) with control signal
 Ak: asymmetrical on-delay and off-delay relay with control signal
 Akt: asymmetrical on-delay and off-delay relay (5)
 At: power on-delay relay (5)
 Aw: power on-delay relay with retrigger/restart control signal
 A1: power on-delay relay (R1 instantaneous, R2 timed)
 A2: power on-delay relay (both R1/R2 timed)
 B: interval relay with control signal
 Bw: double interval relay with control signal
 C: off-delay relay with control signal
 Ct: off-delay relay with control signal (5)
 D: symmetrical flashing relay (starting pulse-off)
 Di: symmetrical flashing relay (starting pulse-on)
 Dlt: symmetrical flashing relay (starting pulse-on) (5)
 Diw: symmetrical flashing relay (starting pulse-on) with retrigger/restart control signal
 Dt: symmetrical flashing relay (starting pulse-off) (5)
 Dwt: symmetrical flashing relay (starting pulse-off) with retrigger/restart control signal
 H: interval relay
 He: pulse on de-energization relay
 Ht: interval relay with pause/summation control signal
 Hw: interval relay with retrigger/restart control signal
 H1: interval relay (R1 instantaneous, R2 timed)
 H2: interval relay (both R1/R2 timed)
 K: delay on de-energization relay (without auxiliary supply)
 L: asymmetrical flashing relay (starting pulse-off)
 Li: asymmetrical flashing relay (starting pulse-on)
 Lt: asymmetrical flashing relay (5)
 N: safe guard relay
 O: delayed safe guard relay
 P: pulse delayed relay with fixed pulse length
 Pt: pulse delayed relay with fixed pulse length (5)
 Qc: star-delta timing relay, 1 C/O output
 Qe: star-delta timing relay, 1 N/C + 1 N/O output & split common
 Qg: star-delta timing relay, 2 C/O outputs & same common
 Qgt: star-delta timing relay, 2 C/O outputs & same common (5)
 Qt: star-delta timing relay, 2 C/O outputs & split common
 Qtt: star-delta timing relay with control signal on (5)
 Tt: retriggerable bistable relay with control signal on (5)
 W: interval relay with control signal off
 Wt: interval relay with control signal off (5)

(1) For more details about functions, please refer to the technical descriptions and schemes on our website www.schneider-electric.com.
 (2) For spring terminal version, order RE17RMMWS (3) With separate contacts (4) With mixed contacts (5) With pause-summation control signal

Schneider Electric Industries SAS

www.schneider-electric.com

Head Office
 35, rue Joseph Monier
 F-92500 Rueil-Malmaison
 France

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