





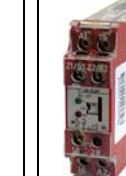
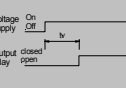
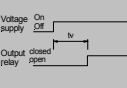
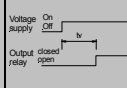
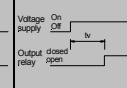
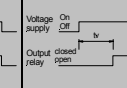
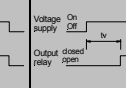
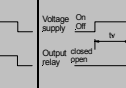
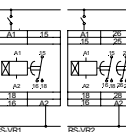
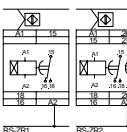
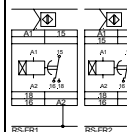
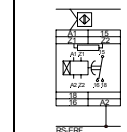
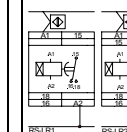
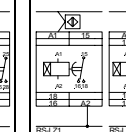
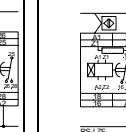


Timerelay On-delay

									
Type	RS-VR1, RS-VR2	RS-ZR1, RS-ZR2	RS-ER1, RS-ER2	RS-ERF	RS-LR1, RS-LR2	RS-LZ1, RS-LZ2	RS-LZF		
Function/Contact	On-delay 1 changer contact (RS-VR1) 2 changer contacts (RS-VR2)	On-delay 1 changer contact (RS-ZR1) 2 changer contacts (RS-ZR2)	On-delay 1 changer contact (RS-ER1) 2 changer contacts (RS-ER2)	On-delay 1 changer contact and remote connection	On-delay 1 changer contact (RS-LR1) 2 changer contacts (RS-LR2)	On-delay 1 changer contact (RS-LZ1) 2 changer contacts (RS-LZ2)	On-delay 1 changer contact and remote connection	Specials and extras for you	
Pulse schedule/Function diagram								All devices up to category 1 according to EN 13849-1	
Wiring diagram								Our devices accord to VDE 0116 (regulation for combustion plants!)	
LED	No	2 LEDs	2 LEDs	2 LEDs	2 LEDs	2 LEDs	2 LEDs		
Timing ranges	0.05 - 1 s 0.15 - 3 s 0.5 - 10 s 1.5 - 30 s 3 - 60 s 5 - 100 s 15 - 300 s 30 - 600 s	0.05 - 1 s 0.15 - 3 s 0.5 - 10 s 1.5 - 30 s 3 - 60 s 5 - 100 s 15 - 300 s 30 - 600 s	0.05 - 1 s 0.15 - 3 s 0.5 - 10 s 1.5 - 30 s 3 - 60 s 5 - 100 s 15 - 300 s 30 - 600 s	0.05 - 1 s 0.15 - 3 s 0.5 - 10 s 1.5 - 30 s 3 - 60 s 5 - 100 s 15 - 300 s 30 - 600 s	0.05 - 1 s 0.15 - 3 s 0.5 - 10 s 1.5 - 30 s 3 - 60 s 5 - 100 s 15 - 300 s 30 - 600 s	1.5 - 30 min 3 - 60 min 0.15 - 3 h 0.5 - 10 h	1.5 - 30 min 3 - 60 min 0.15 - 3 h 0.5 - 10 h	1.5 - 30 min 3 - 60 min 0.15 - 3 h 0.5 - 10 h	Are you missing a time range or do you need a fixed time? There are special customizing solutions. riese-electronic is able to offer. For more information and questions you will find our contact address on the back of this leaflet.
Exciting voltage	12 V AC/DC 24 V AC/DC 42-48 V AC 110-127 V AC 230 V AC	12 V AC/DC 24 V AC/DC 42-48 V AC 110-127 V AC 230 V AC	12 V AC/DC 24 V AC/DC 42-48 V AC 110-127 V AC 230 V AC	24 V AC/DC 42-48 V AC 110-127 V AC 230 V AC	12 V AC/DC 24 V AC/DC 42-48 V AC 110-127 V AC 230 V AC	12 V AC/DC 24 V AC/DC 42-48 V AC 110-127 V AC 230 V AC	12 V AC/DC 24 V AC/DC 42-48 V AC 110-127 V AC 230 V AC	Time-relays of riese- electronic also operate with 12 V.	
Tolerances	10%	10%	4%	4%	10%	4%	4%	Voltage tolerance up to +/-30%	
Attributes	CMOS technology Analog time setting Absolute scale	CMOS technology Analog time setting Absolute scale	CMOS technology Analog time setting Absolute scale	CMOS technology Analog time setting Absolute scale	CMOS technology Analog time setting Absolute scale	CMOS technology Analog time setting Absolute scale	CMOS technology Analog time setting Absolute scale	Are you interested in "brandlabel" relays?	
Description of function	The time lag begins after applying the exciting voltage to terminals A1 und A2. The output relay remains in its normal position. After the time has expired, the output relay attracts and remains in this switched position until the exciting voltage is interrupted. If the exciting voltage is interrupted, the output relay returns to its normal position. Pulse control shorter than reset time does not lead to the output relay switching through instantaneously.	see col. 1	see col. 1	Resistance value for all time ranges is 10 kΩ. The factory fitted jumper is to be removed upon connecting an external potentiometer for setting the time. The remote potentiometer is to be connected to terminals Z1 and Z2. The internal potentiometer is to be set to the shortest time. The lines to the external potentiometer can be up to 100 m long. Note: there is no electrical isolation between terminals Z1 and Z2 and the exciting voltage A1 and A2.	see col. 1	see col. 1	see col. 4	Your and our free range for future ideas and developments. You would like to have your corporate symbol on safety-, time-delay-, or measuring- relays you are purchasing? Do you have certain housing forms you want to apply? We are able to provide you with many years of experience due to our customizing division. We are capable to meet your needs flexibly at any time. Let us know about your requirements. Whether there shall be only your logo on the relay, or also a certain colour or housing is demanded, we will create a complete brandlabel-project to develop, produce and test your specific relay, quick and with competence.	
Column	1	2	3	4	5	6	7	23	