



Staircase switches

Applications



Lighting or ventilation of staircases, basements, halls, etc.

Features

- Designed for a real 3.500W switching capacity.
- User adjustable time.
- Electromechanical contact and electronic timer with manual override off or on possible at all time for VTR4.
- 3 or 4 wire wiring possible.
- Device for pre-extinction warning adjustable from 20 to 40 sec only for incandescence sources.
- Safety terminals equipped with captive Pozidriv screws and IP20 protection degree.
- Anti vandalisme: resistant to blocked push-buttons.

Function

Push-button operated single-shot timer, switching the power to the load after the push-button has been pushed briefly, and switching off again after the preset time has elapsed.

Energy saving: the VTR5 is especially developed to switch off during the preset time when the staircase switch receives a new impulse.

Standards / Marking

EN 60669-2-3



Performance

			VTR5	VTR4	VTRHL
Rated current (acc. IEC 669-2-3)	A		16	16	16
Width (in number of DIN-modules)			1	1	1
Contacts	NO		1	1	1
Time range	1 function		1mn / 20mn	30s / 15mn	20s / 40s
Supply voltage	230V - 50/60 Hz		yes	yes	yes
	24VAC/24VDC		on request	on request	on request
Supply voltage range (in % of Un)	%		90-110	90-110	90-110
Rated power consumption					
Closed circuit current	230V	VA	4.0	4.0	4.0
Working current (ignition & running)	230V	VA	4.0	4.0	4.0
Light types					
Incandescent lamps			yes	yes	yes
Fluorescent lamps			yes	yes	no
Switching capacity					
AC-5b Incandescent lamps (40 to 200 W lamps)	W		3,500	3,500	3,500
Fluorescence compensated (cos $\psi = 0.9$)					
	Serial compensation	W	3,500	3,500	n/a
	Parallel compensation	VA	2,500	2,500	n/a
Lifetime (in number of operations) ⁽¹⁾					
Electrical (AC-1)	at 1.200 W		2 x 10 ⁶	2 x 10 ⁶	2 x 10 ⁶
	at full load		1 x 10 ⁶	3 x 10 ⁵	3 x 10 ⁵
Mechanical			1 x 10 ⁷	1 x 10 ⁷	1 x 10 ⁷
Max. number of push-buttons					
Non illuminated push-buttons			unlimited	unlimited	unlimited
Luminous push-buttons (0.6mA):					
4 terminals			unlimited	unlimited	unlimited
3 terminals	Without compensator		39	83	83
	1 compensator (2 μ F)		45	300	300
	2 compensators (2 x 2 μ F)		59	600	600
General specifications					
DIN rail mounting			yes	yes	yes
Silent operations			yes	yes	yes
Setting accuracy - Full range	%		+/- 15	+/- 15	+/- 15
3-wire and 4-wire installation			yes	yes	yes
Resistant to blocked push-buttons			yes	yes	yes
Continuously adjustable time-lag			yes	yes	yes
Manual switching (number of positions)			2	3	-
Front switch-off lever			yes	yes	-
Clamping screw terminals, unlosable screws			yes	yes	yes
Cable cross section (\varnothing min/max)	Coil	mm ²	1.5 / 10	1.5 / 10	1.5 / 10
	Load	mm ²	1.5 / 10	1.5 / 10	1.5 / 10
Maximum torque on terminals		N x m	1	1	1
Ambient temperature at installation point (min./max.)		°C	-20 / +45	-20 / +45	-20 / +45

(1) cycle = 2 operations per pole (closing + opening)

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Nominal current	Contact combination	Coil voltage AC	Coil voltage DC	Number of modules	Cat. No.	Ref. No.	Pack.
16	1NO	230	-	1	VTR 4	686031	12



Dimmer for staircase switch

16	3500W	230	-	1	VTRHL	686033	12
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To be used only in combination with the staircase switch.



Time-delay impulse relay



16	1NO	230	-	1	VTR 5	686252	12
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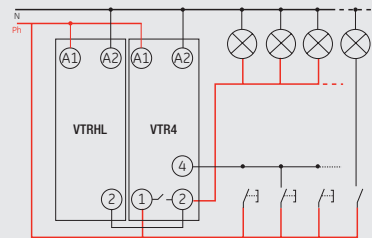
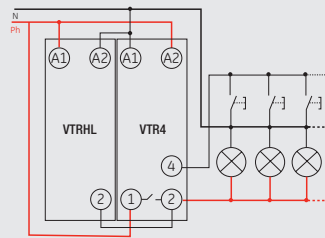
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Terminal identification / Wiring diagram

Staircase switch
Time-delay impulse relay



Dimmer for staircase switch



Dimensional drawings

