

AL1

Staircase switch | Auto - ON | 220 ... 240 V AC | 1 NO

Time data

Timing functions	L
Timing range	30 s ... 10 min

Main circuit

Number of contacts	1 NO
Contact material	AgNi
Rated voltage	250 V
Rated current	10 A
Minimum load	10 mA, 12 V
Inrush current	16 A, 10 ms
Rated load DC	fig. 2
Rated load AC-1	2500 VA
Mechanical endurance (cycles)	20 000 000
Electrical endurance at rated load AC-1 (cycles)	fig. 3

Control circuit

Nominal voltage	220 ... 240 V AC
Operating voltage range	187 ... 265 V AC
Power consumption AC / DC	10.8 VA / -
Current consumption on supply A1-A2 AC / DC	< 45 mA / -
Current consumption on input control B1 AC / DC	< 28 mA / -
Threshold voltage on input control B1 AC / DC	154 V / -
Rated frequency	48 ... 62 Hz

Insulation

Rated test voltage control / main circuit	2.5 kV rms / 1 min
Rated test voltage open contact	2.5 kV rms / 1 min
Pollution degree	2
Overvoltage category	III

General data

Ambient temperature storage (no ice)	-40 ... 85 °C
Ambient temperature operation	-40 ... 40 °C
Conductor cross section	2.5 mm ² , 2 x 1.5 mm ²
Nominal screw torque	0.4 Nm
Dimensions	fig. 4
Weight	71 g
Protection degree	IP 20
Housing material	PC

Product reference

Description	Type	220-240
AC supply	AL1/AC...V	✓

Other voltages on request. Please contact support@comatreleco.com.
«...» list control circuit voltage to complete product references.

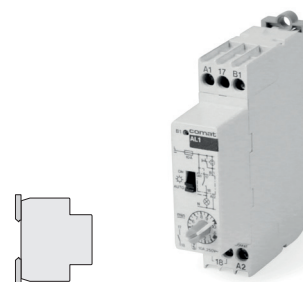


fig. 1. Wiring diagram

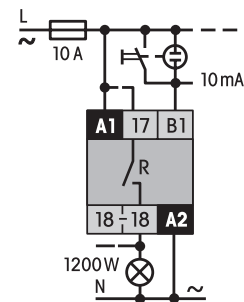


fig. 2. DC load limit curve

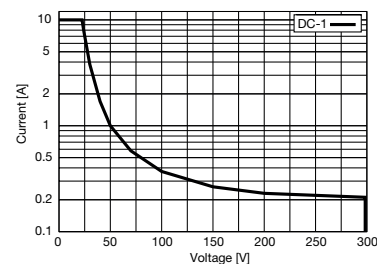


fig. 3. AC voltage endurance

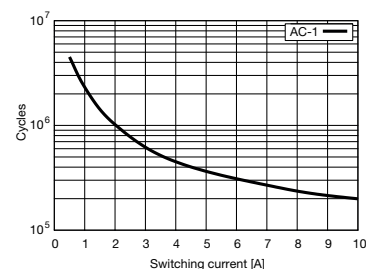
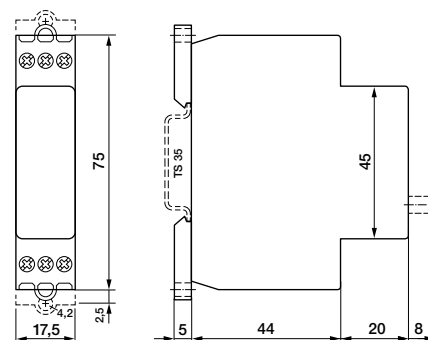


fig. 4. Dimensions (mm)

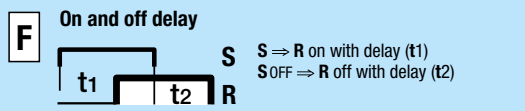
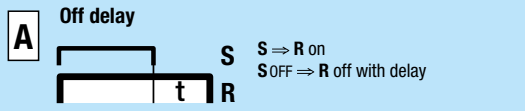
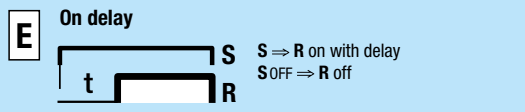


Standards and approvals

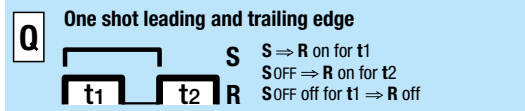
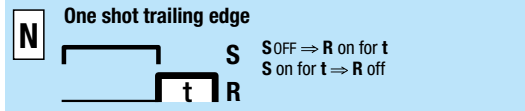
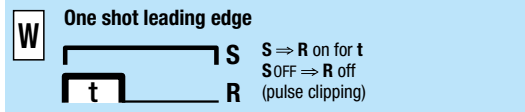
Standards IEC/EN 60947

Approvals

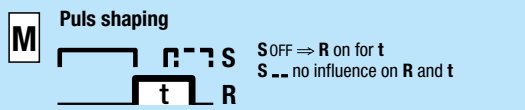
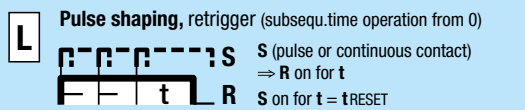
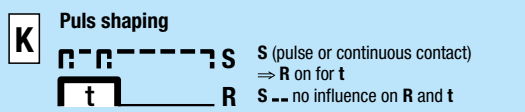
Delay functions



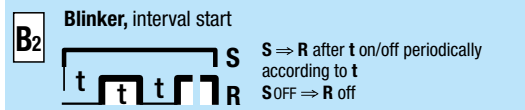
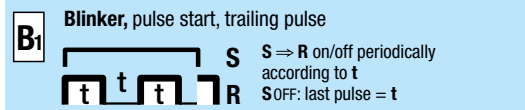
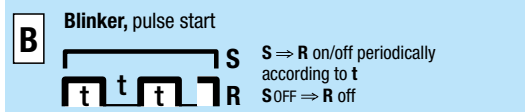
Shot timing modes



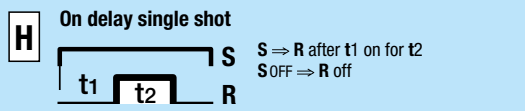
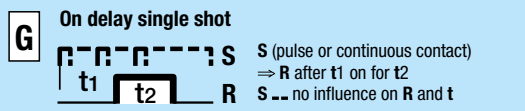
Puls shaping



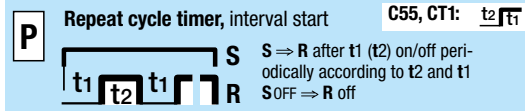
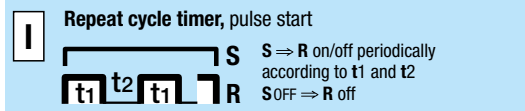
Blinker functions



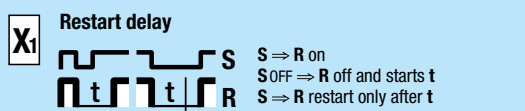
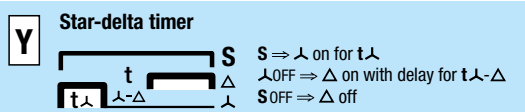
Delayed pulse



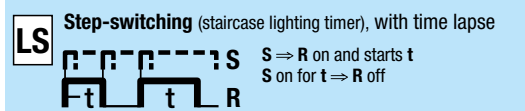
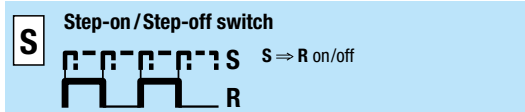
Repeat cycle timer



Special functions



Special functions



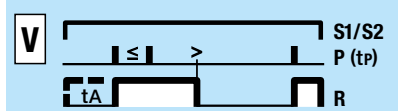
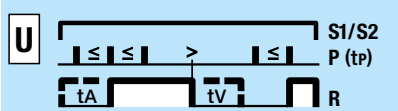
Stop / Reset



S = Triggering
R = Output circuit
⇒ = switches...



Pulse sequence monitoring



S1/S2 = Monitoring start
P = Pulse sequence
tp = Pulse separation

≤: Pulse separation is **smaller** than the time tp
>: Pulse separation is **larger** than the time tp

Start with S1 = **without** start-up short-out t_A
Start with S2 = start-up short-out t_A

t_v = settable alarm delay
delay (t_A = t_v)

