

**AL4**

**Staircase switch | Auto - ON | Central ON - OFF | 220 ... 240 V AC | 1 NO, pre-contact**



**Time data**

Timing functions	fig. 1 L, LS, S
Timing range	30 s - 60 min
Timing scale	6 min / 60 min

**Main circuit**

Number of contacts	1 NO
Contact material	W + AgSnO <sub>2</sub>
Rated voltage	250 V
Rated current	10 A
Minimum load	10 mA, 12 V
Inrush current	600 A, 2.5 ms / 120 A, 20 ms
Rated load DC	210 W, 30 V
Rated load AC-1	2500 VA
Mechanical endurance (cycles)	5 000 000
Electrical endurance at rated load AC-1 (cycles)	5 000

**Control circuit**

Nominal voltage	220 ... 240 V AC
Operating voltage range	187 ... 265 V AC
Power consumption AC / DC	2.5 VA / -
Current consumption on supply A1-A2 AC / DC	< 13 mA / -
Current consumption on input control B1 AC / DC	< 120 mA / -
Threshold voltage on input control B1 AC / DC	130 ... 175 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	-25 ... 60 °C
Conductor cross section	2.5 mm <sup>2</sup> , 2 x 1.5 mm <sup>2</sup>
Nominal screw torque	0.4 Nm
Dimensions	fig. 2
Weight	98 g
Protection degree	IP 20
Housing material	PC

**Product reference**

Description	Type	220-240
AC supply	AL4/AC...V	✓

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

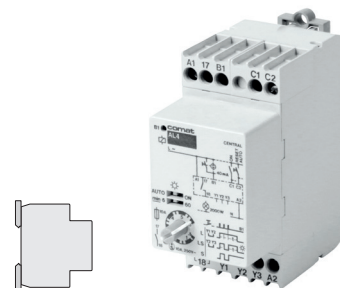


fig. 1. Wiring diagram

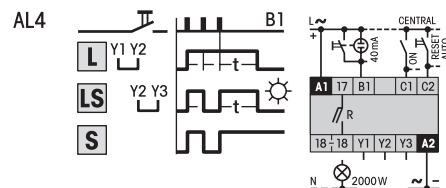
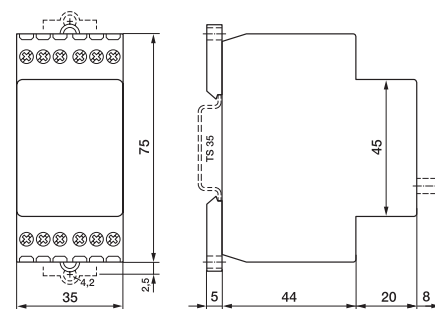


fig. 2. Dimensions (mm)

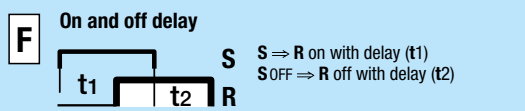
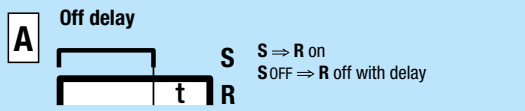
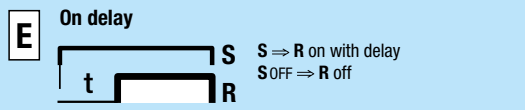


**Standards and approvals**

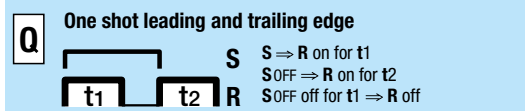
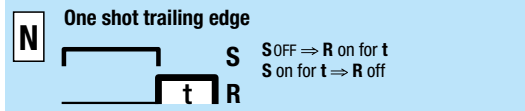
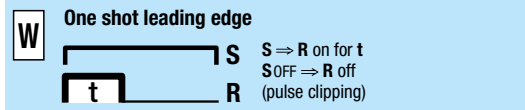
Standards IEC/EN 60947

Approvals

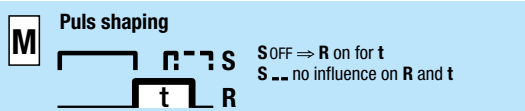
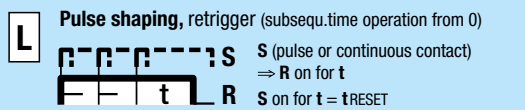
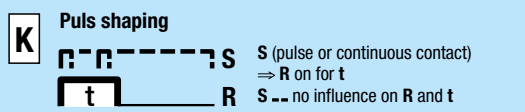
## Delay functions



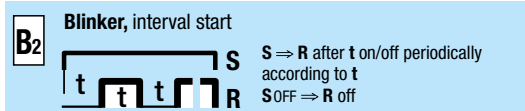
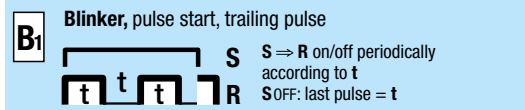
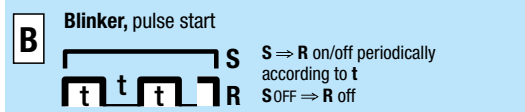
## Shot timing modes



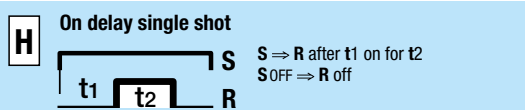
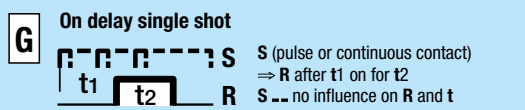
## Puls shaping



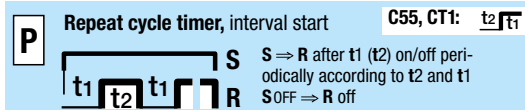
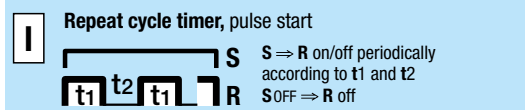
## Blinker functions



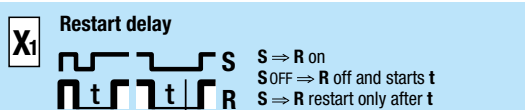
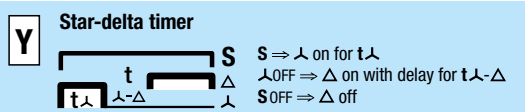
## Delayed pulse



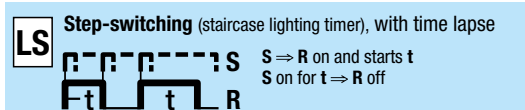
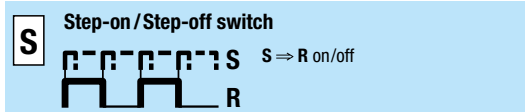
## Repeat cycle timer



## Special functions



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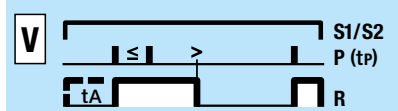
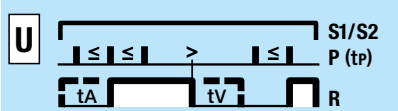
## Stop / Reset



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<sub>A</sub>  
Start with S2 = start-up short-out t<sub>A</sub>

t<sub>v</sub> = settable alarm delay  
delay (t<sub>A</sub> = t<sub>v</sub>)

