

AL5

Step switch | Auto - ON | Central ON - OFF | 230 V AC | 1 NO, pre-contact



Time data

Timing functions S

Main circuit

Number of contacts	1 NO
Contact material	W + AgSnO ₂
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	230 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 ... 165 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
Overtoltage category	III

General data

Ambient temperature storage (no ice)	-40 ... 85 °C
Ambient temperature operation	-25 ... 60 °C
Conductor cross section	2.5 mm ² , 2 x 1.5 mm ²
Nominal screw torque	0.4 Nm
Dimensions	fig. 2
Weight	98 g
Protection degree	IP 20
Housing material	PC

Product reference

Description	Type	230
AC supply	AL5/AC...V	✓

Other voltages on request. Please contact support@comatreleco.com.

«...» list control circuit voltage to complete product references.

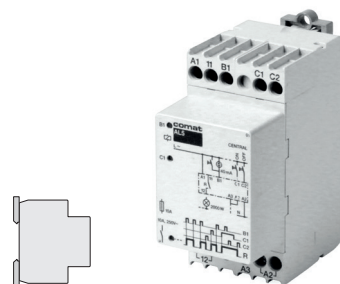


fig. 1. Wiring diagram

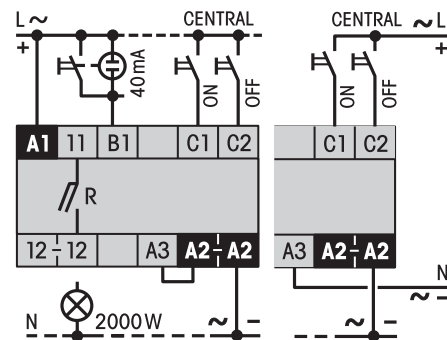
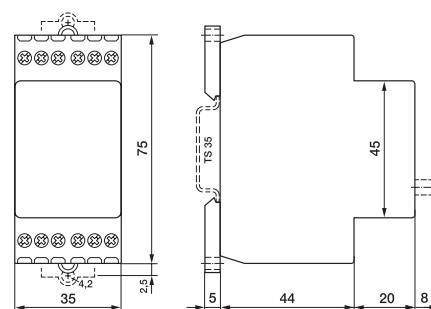


fig. 2. Dimensions (mm)

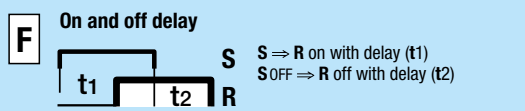
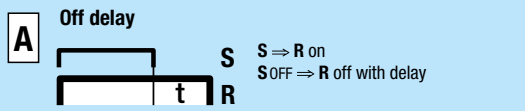
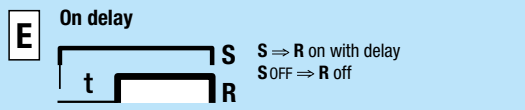


Standards and approvals

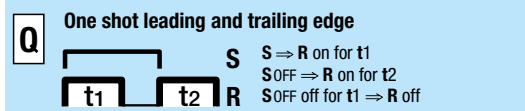
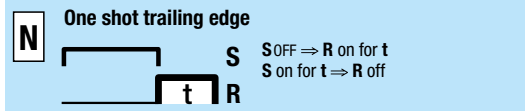
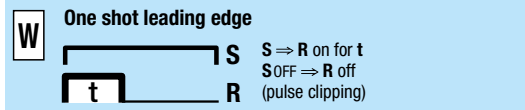
Standards IEC/EN 60947

Approvals

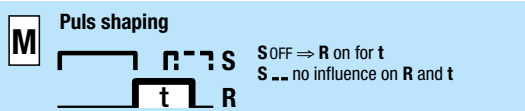
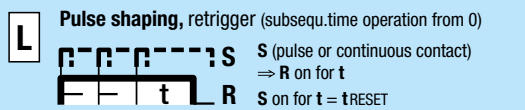
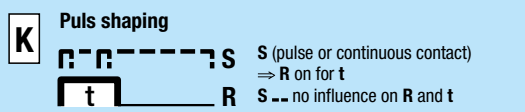
Delay functions



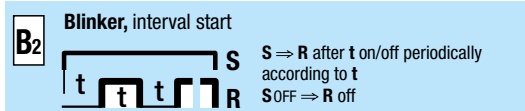
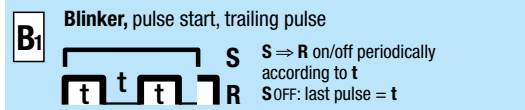
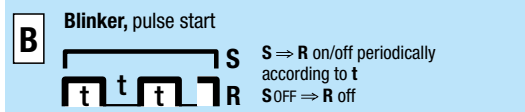
Shot timing modes



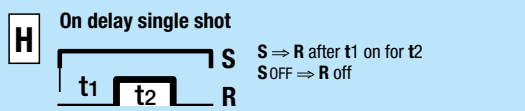
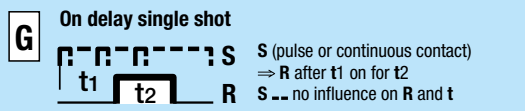
Puls shaping



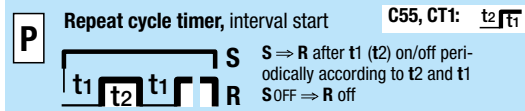
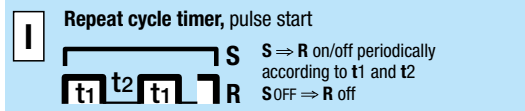
Blinker functions



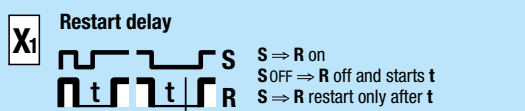
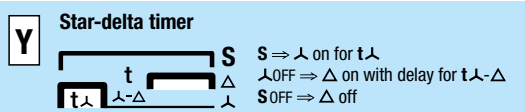
Delayed pulse



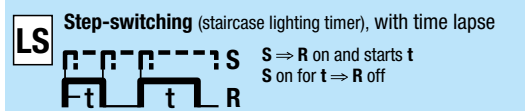
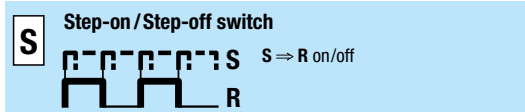
Repeat cycle timer



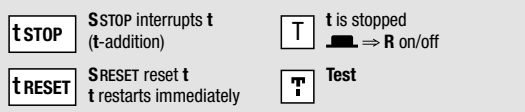
Special functions



Special functions



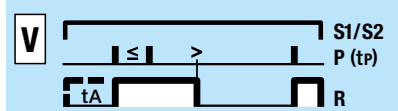
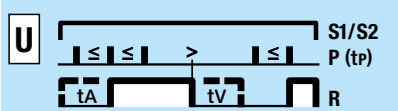
Stop / Reset



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 tA
Start with S2 = start-up short-out tA

tV = settable alarm delay
delay (tA = tV)

