

CMD11-E

On delay | single voltage | 1 CO

Time data

Timing functions	E
Timing range	50 ms ... 0.6 s / 0.5 s ... 6 s / 5 s ... 60 s / 0.5 min ... 6 min / 5 min ... 60 min
Timing scale	0.6 s / 6 s / 60 s / 6 min / 60 min

Main circuit

Number of contacts	⚡ 1 CO
Contact material	AgNi
Rated voltage	250 V AC
Rated current	8 A
Minimum load	10 mA, 12 V
Inrush current	15 A, 20 ms
Rated load DC	fig. 2
Rated load AC-1	2000 VA
Mechanical endurance (cycles)	30 000 000
Electrical endurance at rated load AC-1 (cycles)	fig. 3

Control circuit

Nominal voltage	12 V UC	24 V UC
Operating voltage range	0.8 ... 1.2 U _N	0.8 ... 1.2 U _N
Power consumption AC / DC	32 mVA / 50 mW	12 mVA / 21 mW
Current consumption on supply A1-A2 AC / DC	50 mA / 32 mA	21 mA / 12 mA
Threshold voltage on input control B1 AC / DC	5.2 V / 8.8 V	9.5 V / 14 V
Rated frequency	0; 48 ... 62 Hz	0; 48 ... 62 Hz

Control circuit

Nominal voltage	115 V AC	230 V AC
Operating voltage range	0.8 ... 1.2 U _N	0.8 ... 1.2 U _N
Power consumption AC/DC	5.3 VA / -	14.3 VA / -
Current consumption on supply A1-A2 AC/DC	47 mA / -	60 mA / -
Threshold voltage on input control B1 AC/DC	42 V / -	80 V / -
Rated frequency	48 ... 62 Hz	48 ... 62 Hz

Insulation

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

General data

Ambient temperature storage (no ice)	-40 ... 85 °C
Ambient temperature operation	-40 ... 60 °C
Conductor cross section	2.5 mm ² , 2 x 1.5 mm ²
Nominal screw torque	0.5 Nm
Dimensions	fig. 4
Weight	48 g
Protection degree	IP 20
Housing material	PA66

Product reference

Description	Type	12	24	115	230
UC supply	CMD11-E/UC...V	✓	✓		
AC supply	CMD11-E/AC...V			✓	✓

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

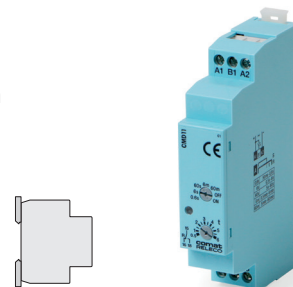


fig. 1. Wiring diagram

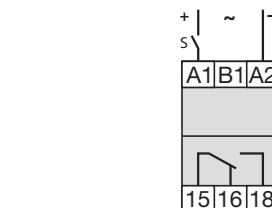


fig. 2. DC load limit curve

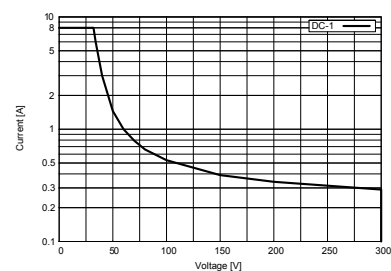


fig. 3. AC voltage endurance

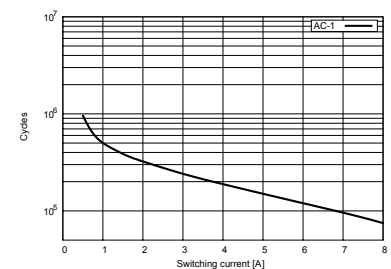
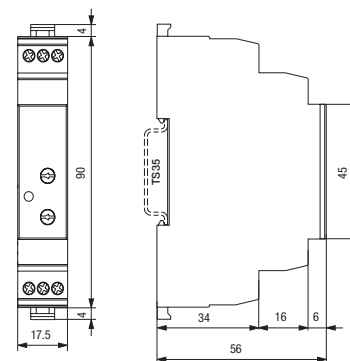


fig. 4. Dimensions (mm)

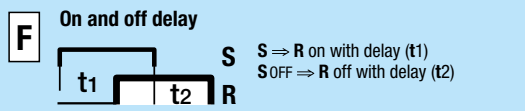
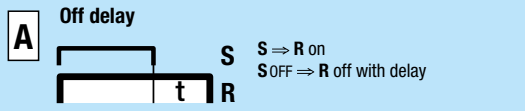
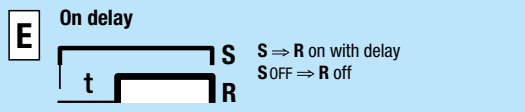


Standards and approvals

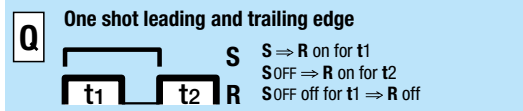
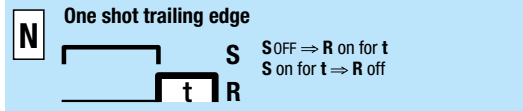
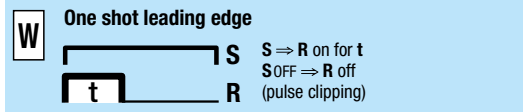
Standards IEC/EN 60947

Approvals

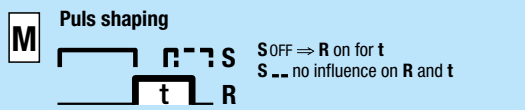
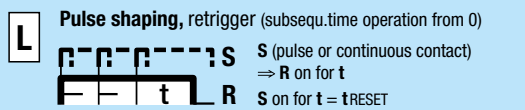
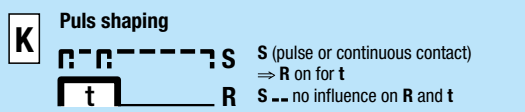
Delay functions



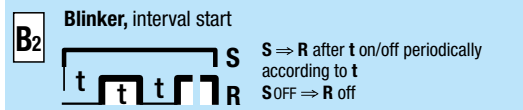
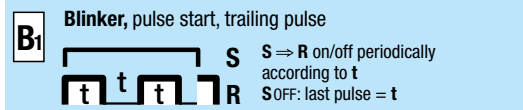
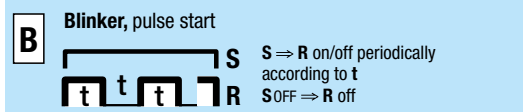
Shot timing modes



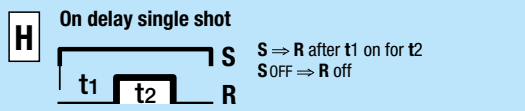
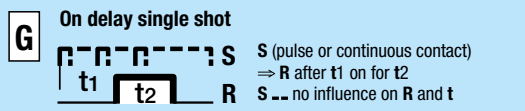
Puls shaping



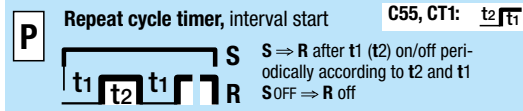
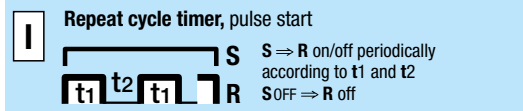
Blinker functions



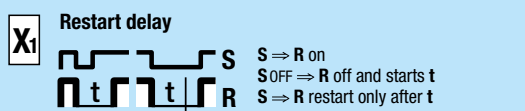
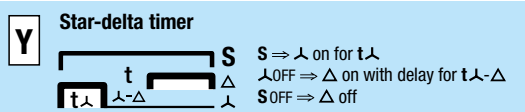
Delayed pulse



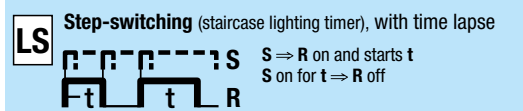
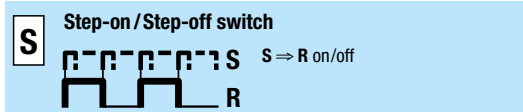
Repeat cycle timer



Special functions



Special functions



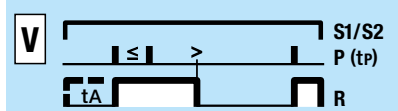
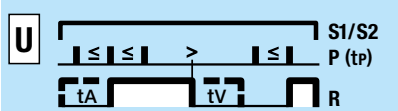
Stop / Reset



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

tv = settable alarm delay
delay (tA = tv)

