


**CM2****Multifunction | 24 ... 60 V UC | 110 ... 240 V UC | 1 NO + 1 CO****Time data**

Timing functions	fig. 1 2: E, A, K 3: E, W
Timing range	0.3 s ... 3 s / 1.2 s ... 12 s / 0.15 min ... 1.5 min / 1.2 min ... 12 min / 0.15 h ... 1.5 h / 1.2 h ... 12 h
Timing scale	3 s / 12 s / 1.5 min / 12 min / 1.5 h / 12 h

**Main circuit**

Number of contacts	 1 NO + 1 CO
Contact material	AgNi
Rated voltage	250 V
Rated current	6 A
Minimum load	10 mA, 12 V
Inrush current	10 A, 10 ms
Rated load DC	100 W, 24 V
Rated load AC-1	1500 VA
Mechanical endurance (cycles)	10 000 000
Electrical endurance at rated load DC-1 (cycles)	5 000 000

**Control circuit**

Nominal voltage	24 ... 60 V UC	110 ... 240 V UC
Operating voltage range	19 ... 75 V UC	90 ... 265 V AC
Power consumption AC / DC	3.6 VA / 4.8 W	6 VA / 6 W
Current consumption on supply A1-A2 AC / DC	< 60 mA / < 80 mA	< 25 mA / < 25 mA
Current consumption on input control B1 AC / DC	< 20 mA / < 20 mA	< 10 mA / < 10 mA
Threshold voltage on input control B1 AC / DC	18 V / 20 V	70 V / 85 V
Rated frequency	0; 40 ... 60 Hz	0; 40 ... 60 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**

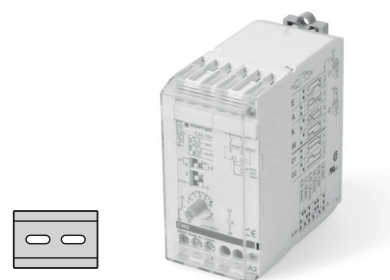
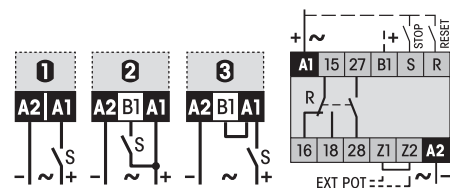
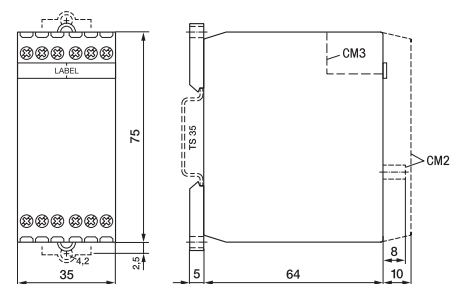
Ambient temperature storage (no ice)	-40 ... 85 °C
Ambient temperature operation	-25 ... 60 °C
Conductor cross section	2.5 mm <sup>2</sup> , 2 x 1.5 mm <sup>2</sup>
Nominal screw torque	0.4 Nm
Dimensions	fig. 2
Weight	139 g
Protection degree	IP 20
Housing material	PC

**Product reference**

Description	Type	24-60	110-240
UC supply	CM2/UC...V	✓	✓

Other voltages on request. Please contact [support@comatreleco.com](mailto:support@comatreleco.com).

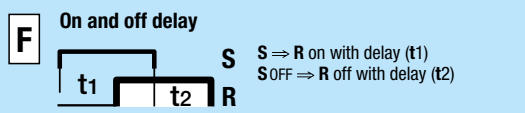
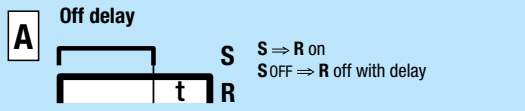
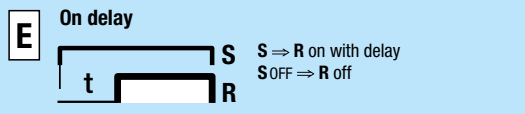
«...» list control circuit voltage to complete product references.

**fig. 1. Wiring diagram****fig. 2. Dimensions (mm)****Standards and approvals**

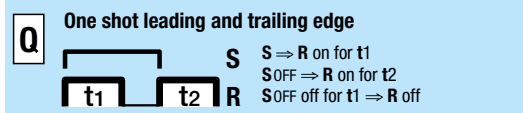
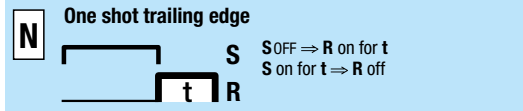
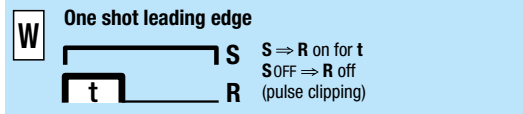
Standards IEC/EN 60947

Approvals    

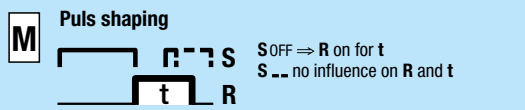
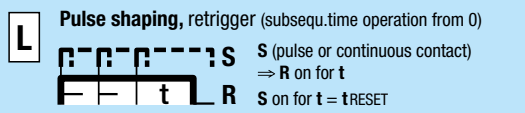
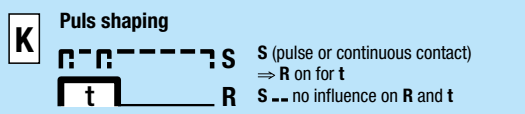
## Delay functions



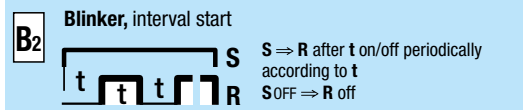
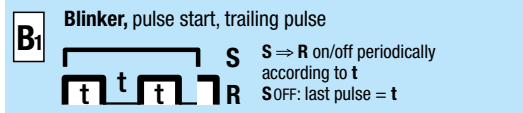
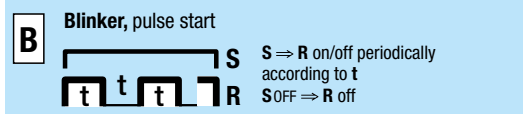
## Shot timing modes



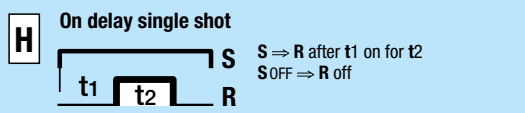
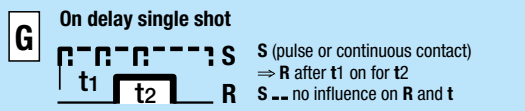
## Puls shaping



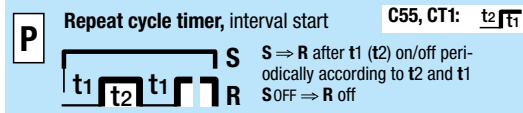
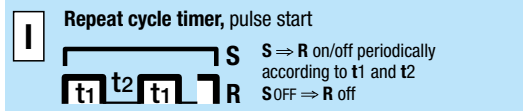
## Blinker functions



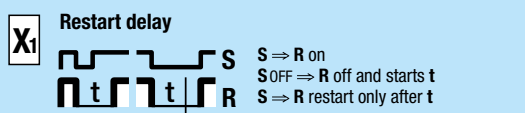
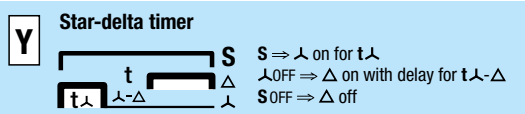
## Delayed pulse



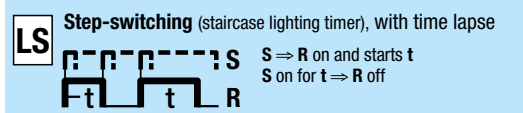
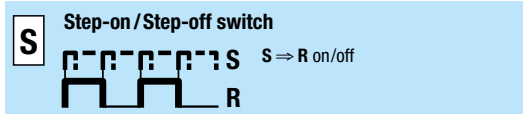
## Repeat cycle timer



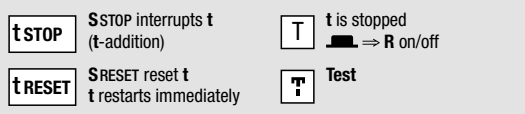
## Special functions



## Special functions



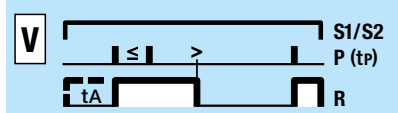
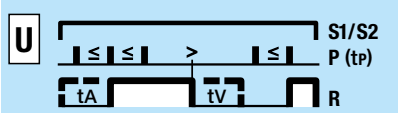
## Stop / Reset



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)

