

# CS2

Multifunction | 12 ... 240 V UC | 1 CO | External potentiometer



### Time data

Timing functions	fig. 1 1: E, W, B, B2 2: A, E, K, N
Timing range	50 ms ... 60 h
Timing scale	0.6 s / 6 s / 60 s / 6 min / 60 min / 6 h / 60 h

### Main circuit

Number of contacts	1 CO
Contact Material	AgNi
Rated voltage	250 V
Rated current	8 A
Minimum load	10 mA, 10 V
Inrush current	30 A, 10 ms
Rated load DC	fig. 2
Rated load AC-1	2000 VA
Mechanical endurance (cycles)	3 x 10 <sup>7</sup>
Electrical endurance at rated load AC-1 (cycles)	fig. 3

### Control circuit

Nominal voltage	12 ... 240 V UC
Operating voltage range	10.2 ... 265 V
Power consumption AC / DC	0.9 VA / 1.6 W
Typ. input current on command input AC / DC	6 / 2 mA
Typ. threshold voltage on command input AC / DC	6.5 V / 7 V
Rated frequency	45 ... 63 Hz

### Insulation

Rated test voltage control / main circuit	2.5 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	-40 ... 85 °C
Ambient temperature operation	-25 ... 60 °C
Module width	fig. 4
Weight	75 g
Protection degree	IP 20
Housing material	PC

### Product references

Types	Product reference	12-240
UC supply	CS2/UC...V	✓

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

### Accessories

External potentiometer	SP-01/1M
Sockets	S3-M
Retaining clip	HF-50
Transparent front cover	FA-50
Front panel mounting set	FZ-50L

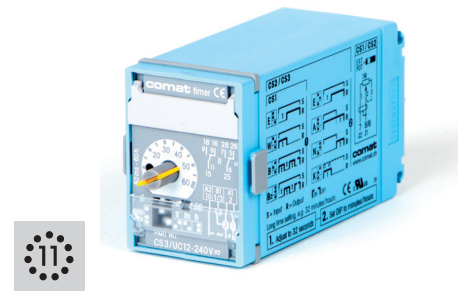


fig. 1. Wiring diagram

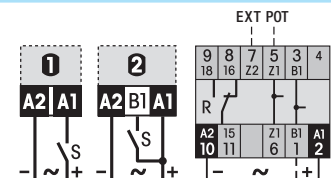


fig. 2. DC load limit curve

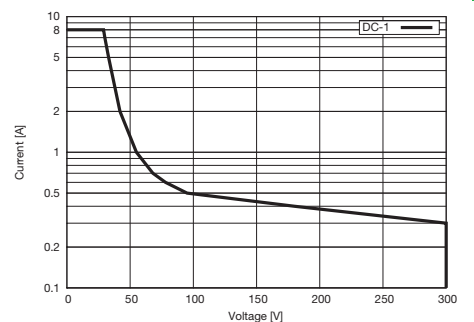


fig. 3. AC voltage endurance

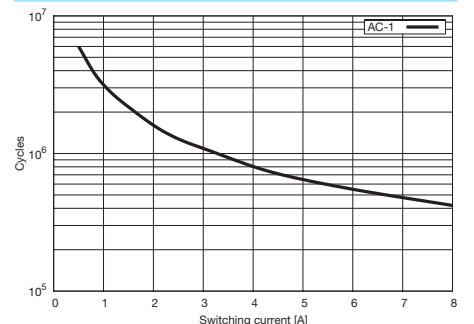
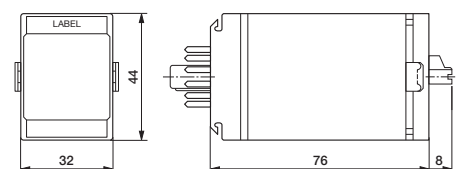


fig. 4. Dimensions (mm)

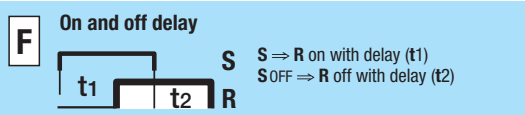
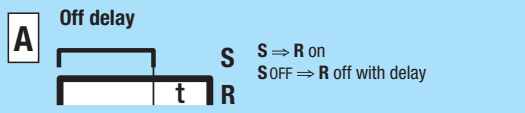
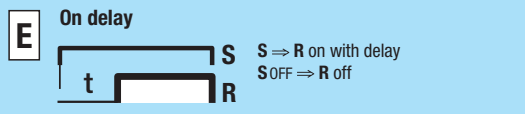


### Standards and approvals

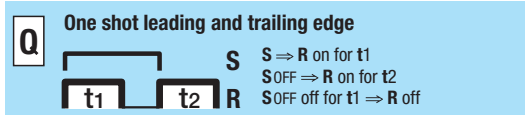
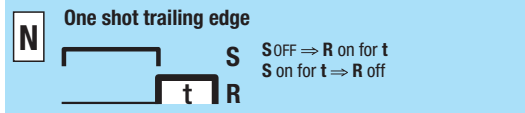
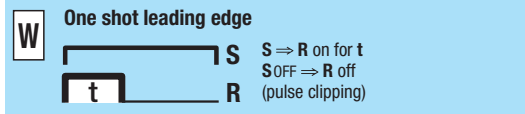
Standards IEC/EN 60947

Approvals

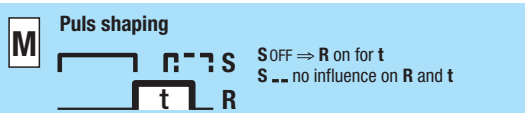
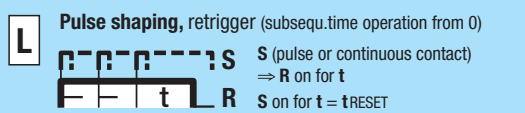
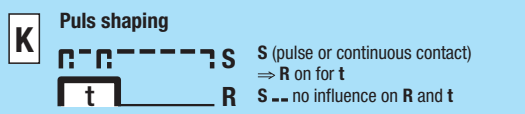
## Delay functions



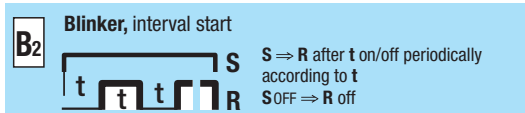
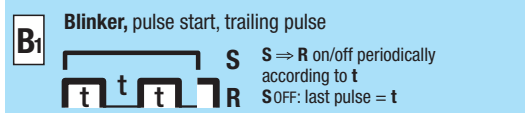
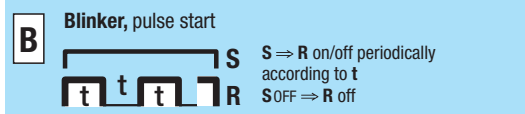
## Shot timing modes



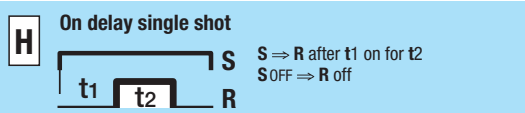
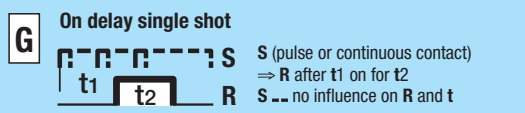
## Puls shaping



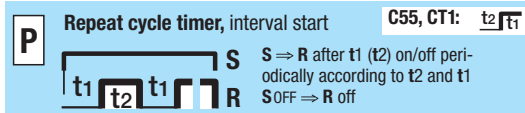
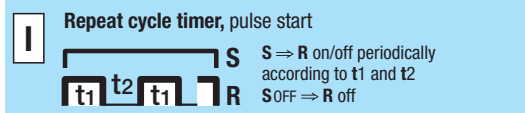
## Blinker functions



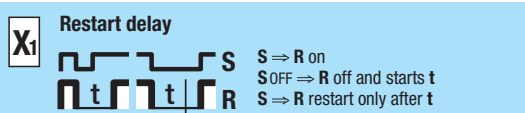
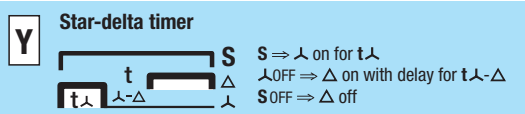
## Delayed pulse



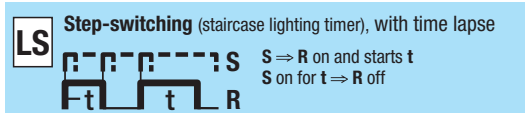
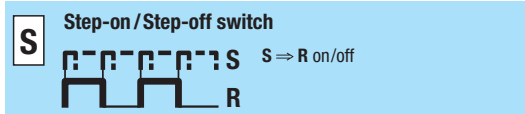
## Repeat cycle timer



## Special functions



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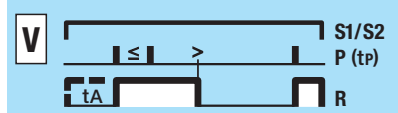
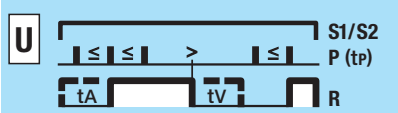
## Stop/Reset



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

tv = settable alarm delay  
delay (tA = tv)

