

CRV4

Multifunction | 24 ... 240 V UC | 1 CO | External potentiometer

Time data

| | |
|------------------|---|
| Timing functions | fig. 1 1: E 2: E, A, K, N, M, B1, F, G, Q, L, S, LS 3: W, B, B2, H |
| Timing range | t (t1) 50 ms ... 0.6 s / 0.5 s ... 6 s / 5 s ... 60 s / 0.5 min ... 6 min / 5 min ... 60 min / 0.5 h ... 6 h / 5 h ... 60 h t2 (G/H 1) 60 ms / 0.6 s / 6 s / 0.6 min / 6 min / 0.6 h / 6 h t2 (G/H 2) 0.6 s / 6 s / 60 s / 6 min / 60 min / 6 h / 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 | 6 A |
| Minimum load | 10 mA, 10 V |
| Inrush current | 15 A, 10 ms |
| Rated load DC | fig. 2 |
| Rated load AC-1 | 1500 VA |
| Mechanical endurance (cycles) | 30 000 000 |
| Electrical endurance at rated load AC-1 (cycles) | fig. 3 |

Control circuit

| | |
|---|-------------------|
| Nominal voltage | 24 ... 240 V UC |
| Operating voltage range | 19.2 ... 250 V UC |
| Power consumption AC / DC | 0.55 VA / 0.55 W |
| Current consumption on supply A1-A2 AC / DC | 6 mA / 6 mA |
| Current consumption on input control B1 AC / DC | 4 mA / 7 mA |
| Threshold voltage on input control B1 AC / DC | 14.5 V / 17.5 V |
| Rated frequency | 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 | -40 ... 70 °C |
| Conductor cross section | 2.5 mm ² , 2 x 1 mm ² |
| Nominal screw torque | 0.6 Nm |
| Dimensions | fig. 4 |
| Weight | 50 g |
| Protection degree | IP 20 |
| Housing material | PC |

Product reference

| Description | Type | 24-240 |
|-------------|-------------|--------|
| UC supply | CRV4/UC...V | ✓ |

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

Accessories

| | |
|------------------------|------------|
| External potentiometer | SP-01/100K |
|------------------------|------------|

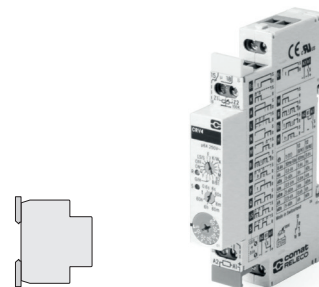


fig. 1. Wiring diagram

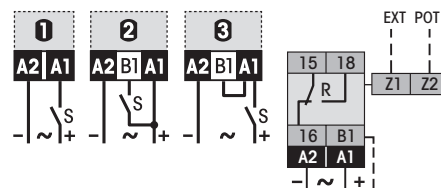


fig. 2. DC load limit curve

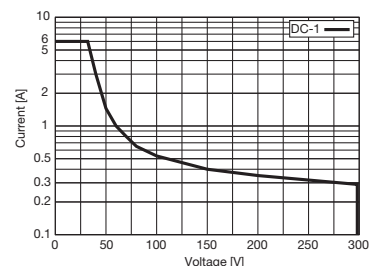


fig. 3. AC voltage endurance

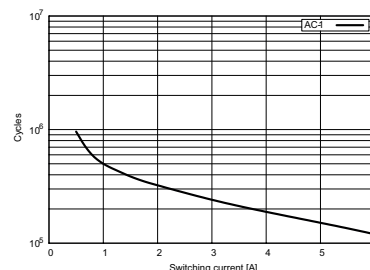
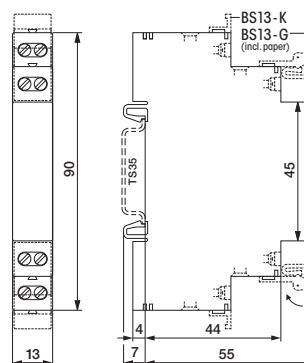


fig. 4. Dimensions (mm)

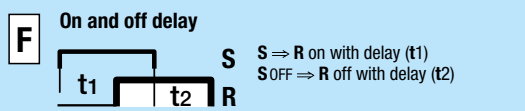
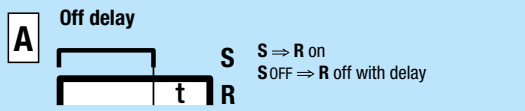
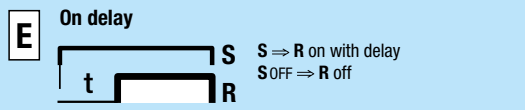


Standards and approvals

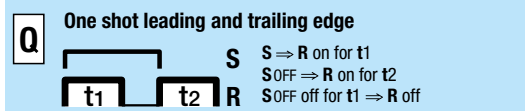
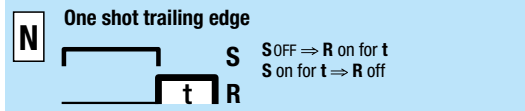
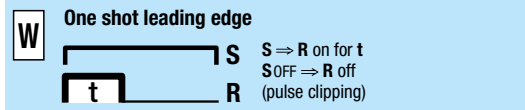
Standards IEC/EN 60947

Approvals

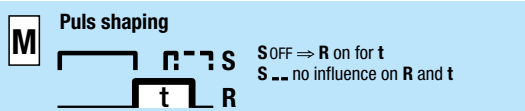
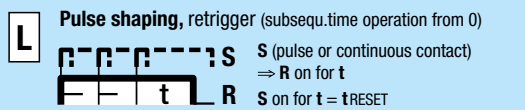
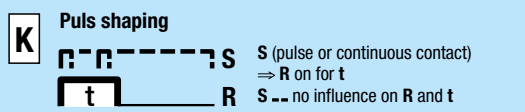
Delay functions



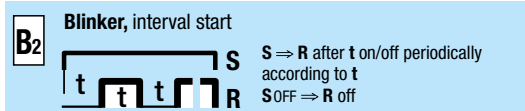
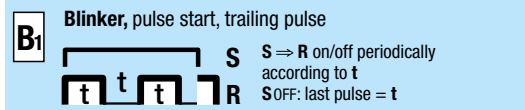
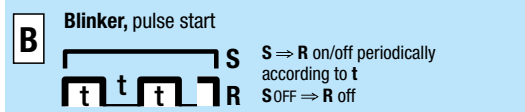
Shot timing modes



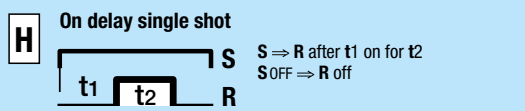
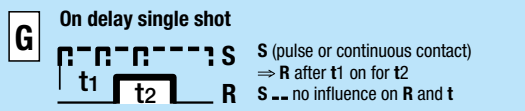
Puls shaping



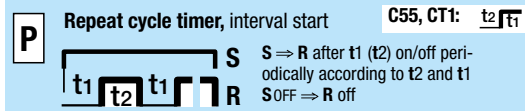
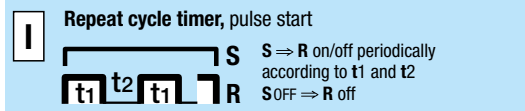
Blinker functions



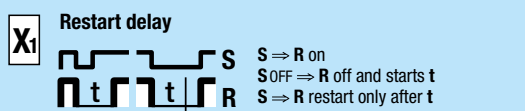
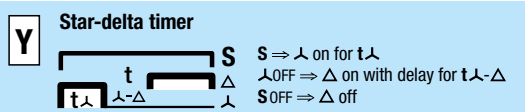
Delayed pulse



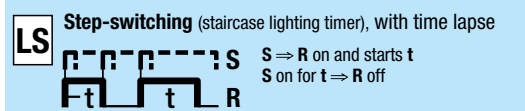
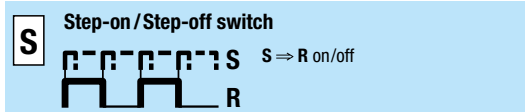
Repeat cycle timer



Special functions



Special functions



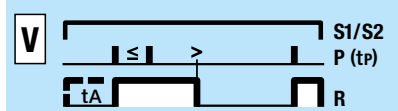
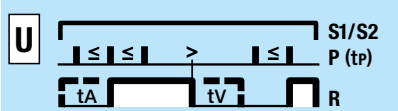
Stop / Reset



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

t_v = settable alarm delay
delay (t_A = t_v)

