Logic relays RD11 and RD15-RD18

RD11: Flip-flop relay with phase-neutral or ph-ph supply.

RD15 and RD16: Flip-flop relay without or with memory.

RD17 and RD18: Bistable relay without or with memory.

Inputs:

    RD11: contact input

    RD15-18: contact, NPN or PNP input

1- or 2-pole relay output.

DC supply or AC supplies up to 415 VAC (RD11)

Made in accordance with the CE and EMC regulations

The C-mac® logic relays, series RD, are available with 2 functions:

The flip-flop relays have 1 control input, and the relay changes its position, when the input is activated.

The bistable relays have 2 control inputs. The relay activates, when the "set" input is activated, and releases, when the "reset" input activates.

If the relay has a memory function, it remains in the same position, if the supply voltage is disconnected.

Common technical data:

Supply, RD11:	24 VAC/DC
	24 VAC,
	127 or 230 VAC
	230 or 400 VAC +/- 10%
Supply, RD15-18:	24, 115 and 230 VAC +/- 10%
Supply frequency:	40-70 Hz
Variable supply:	12-50 VDC or 48-250 VDC
Isolation voltage:	Supply - internal - output: 3.75 kV
Supply, DC:	24 VDC +/- 10%
	Note: With this DC supply there is no galvanic isolation between the supply and internal electronics.
Power consumption:	2,5 VA
Operating temp.:	-20°C to +60°C
Humidity:	0 - 90% RH, non-condensing

Indications:

Green LED:	Supply voltage connected
Red LED:	Relay acttivated

EMC og safety regulations.

Emmision:	EN 50 081 - 1
Immunity:	EN 50 082 - 2
Safety:	EN 60 730

Approvals: The units are produced in accordance with the CE og low voltage regulations.

Control inputs.

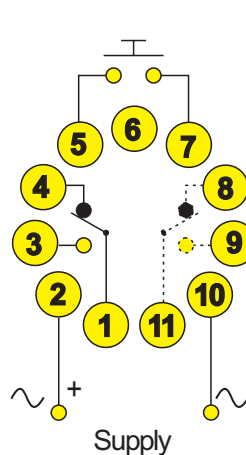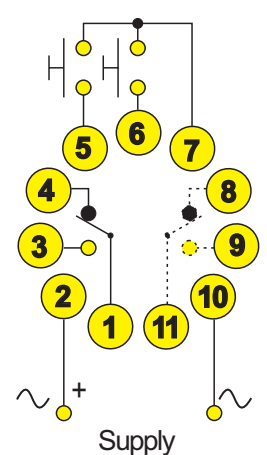|	
RD11:	pin 5-10
	Note: The control input is connected to phase.
RD15-16:	pin 5-7
RD17-18:	pin 5-6-7
	pin 5-7: set, ben 6-7: reset

Connections RD11:
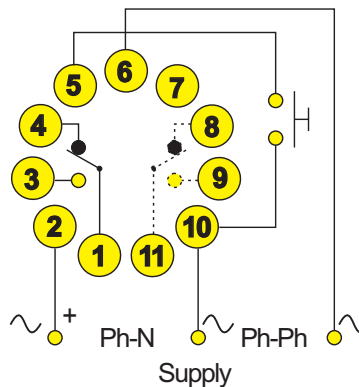
Note:

pin 8-9-11, 2 pole version only.

At 24 V versions, pin 6 is not connected.
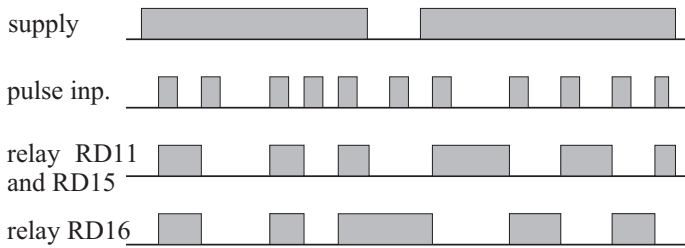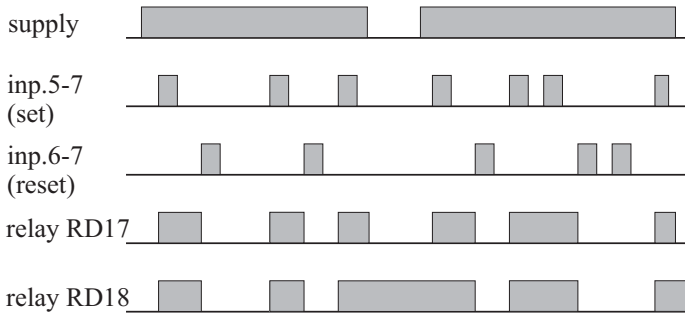
Connections RD15-16:   RD17-18:

Note:

If you use transistor activation instead of contact, the emitter must be connected to pin 7.

Functional diagram RD11 and RD15-16:

supply

pulse inp.

relay RD11
and RD15

relay RD16

Functional diagram RD17-18:

supply

inp.5-7
(set)

inp.6-7
(reset)

relay RD17

relay RD18

Ordering guide RD11:

RD11-x-y-zzz

x = relay output:

1 = 1-pole
2 = 2-pole

y-zzz = supply voltage:

2-024:   24 VAC/DC
1-024:   24 VAC
1-127:   127 or 230/240 VAC
1-230:   230 or 380/415 VAC

Ordering example: RD11-1-1-230

Ordering guide RD15-RD18:

NOTE:
RD15 and RD17: without memory.
RD16 and RD18: with memory.

RD15-wx-y-zzz

w = relay output:

1 = 1-pole
2 = 2-pole (not RD16 and RD18)

x = transistor logic:

1 = NPN
2 = PNP

y-zzz = supply voltage:

0-024:   24 VDC
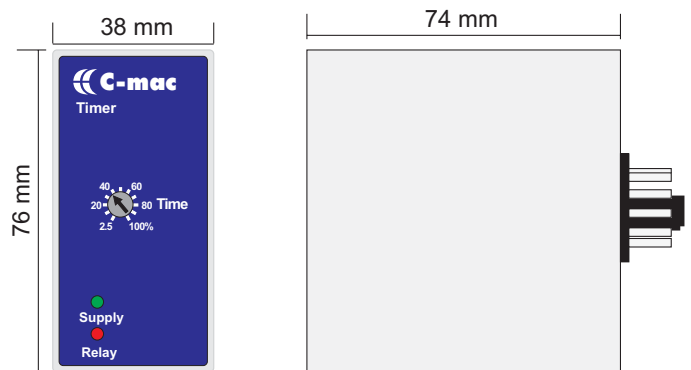4-012:   12-50 VDC
4-048:   48-250 VDC
1-024:   24 VAC
1-115:   115 VAC
1-230:   230 VAC

Ordering example: RD15-12-1-230

Mechanical dimensions:

38 mm

74 mm

76 mm

C-mac
Timer

Time

40 60
20 80
2.5 100%

Supply
Relay

Materials and weight:

Housing:	NORYL-SE-1, grey, self-extinguishing
Housing bottom:	NORYL SE-1, GFN-2, black, self-extinguishing
Terminals:	Nickel-plated brass
Weight:	150 g

Comadan
WE ARE IN CONTROL