

RD11: Flip-flop relay with phase-neutral or phase-phase 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)



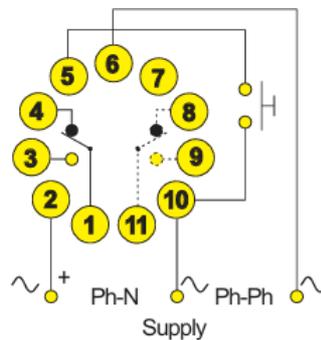
The C-mac[®] logic relays, series RD, are available with 2 functions

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

Technical data	
Supply, RD11	24 VAC/DC
	24 VAC
	127 or 230 VAC
	230 or 400 VAC +/- 10%
Supply RD15-RD18	24, 120 and 230 VAC +/- 10%
Supply frequency:	40-70 Hz
Variable supply, :	12-60 VDC or 85-260 VDC
Isolation voltage:	Supply - input - output: 3.75 kV
Supply voltage, DC:	24 VDC +/- 10% Note: With this DC-supply there is no isolation between supply and internal electronics
Power consumption:	2,5 VA
Operation temp.:	-20°C to +60°C
Humidity:	0 - 90% RH, non-condensing
Indications:	Green LED: Supply voltage connected
	Red LED: Relay activated
Control Inputs	
RD11	Pin 5-10 Note: The control input is connected phase
RD15- RD16	Pin 5-7
RD17 -RD18	Pin 5-6-7 Pin 5-7: set, Pin 6-7 reset

Connections RD11

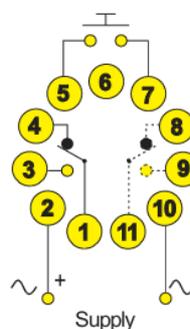


Note:

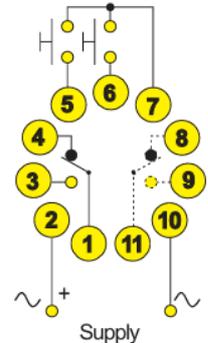
pin 8-9-11, 2 pole version only.

At 24 V versions, pin 6 is not connected.

Connections RD15-RD16



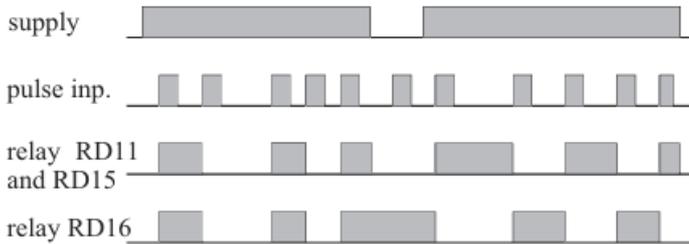
Connections RD17-RD18



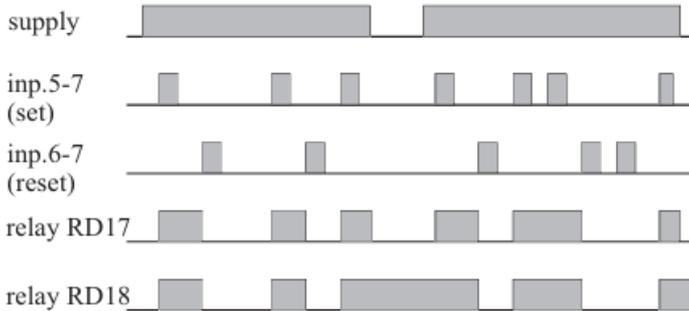
Note:

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

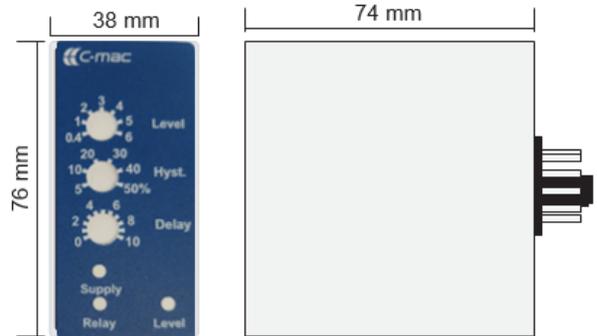
Functional diagram RD11 and RD15-16:



Functional diagram RD17-18:



Mechanical dimensions:



Ordering guide RD11			
Type	Relay (X)	Supply voltage (Y-ZZZ)	
RD11	1=1pole 2=2pole	2-024 = 24 VAC/DC	
		1-024 = 24 VAC	
		1-127 = 127 or 230/240 VAC	
		1-230 = 230 or 380/415 VAC	
Example	RD11-X-Y-ZZZ = RD11-1-1-230		
Ordering guide RD15-RD18			
Type	Relay (X)	Logic (W)	Supply (Y-ZZZ)
RD15	1=1polet 2=2polet	1= NPN 2= PNP	0-024 = 24 VDC
RD16			4-012 = 12 - 60 VDC
RD17			1-024 = 24 VAC
RD18			1-120 = 120 VAC
			1-230 = 230VAC
			4-100 = 85 - 260 VAC/DC
Example	RD15-XW-Y-ZZZ = RD15-12-1-230		
NOTE:			
RD15 and RD17: without memory.			
RD16 and RD18: with memory.			
RD16 and RD18: 1-pole relay output only			

EMC and safety regulations

Emmision: EN50081-1
 Immunity: EN50082-2
 Safety: EN60730

Materials and weight:

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

