

# ZN48-220 COMPTEUR NUMERIQUE MULTIFONCTION DOUBLE AFFICHAGE ALIMENTATION 220VDC

## ZN48-220



### ■ Model number and parameters

Model number	Input signal	External dimensions	Perforate dimensions
ZN48	Contact, sensor	48x48x91mm	46 <sup>1</sup> <sub>0</sub> x46 <sup>1</sup> <sub>0</sub> mm

### ■ ZN48 counter model number legend

#### ZN48

Supply voltage

-220VAC: 220VAC OU -24V: 24V

## ■ General

<b>Model number</b>	ZN series
<b>Supply voltage</b>	36, 220, 380VAC 50/60 Hz; 12VAC/DC, 24VAC/DC
<b>Operating mode</b>	<p>Single delay (Up): 99.99s/9999s//9999min/99min59s/99h59min. out code: 1-6</p> <p>Single delay (Down): 99.99s/9999s//9999min/99min59s/99h59min. out code: 1-6</p> <p>Double delay (Up): 9999s/9999min/99min59s/99h59min. out code: 1,2</p> <p>Double delay (Down): 9999s/9999min/99min59s/99h59min. out code: 1,2</p> <p>Accumulation (reset immediately): 99h59min59.99s/999h59min59s/9999d23h59min. out code: 1-6</p> <p>Accumulation (reset after 8s): 99h59min59.99s/999h59min59s/9999d23h59min. out code: 1-6</p> <p>Frequency: 9999Hz/999.9Hz. out code: 1,3</p> <p>Rotation: 60-9999RPM. out code: 1,3</p> <p>Frequency/Rotation: 0-9999. out code: 1,3. multiple: a,b</p> <p>Reversible count: 0-9999. out code: 1,3,5</p> <p>Reversible count: 0-9999. out code: 1,3,5. multiple: a</p> <p>Reversible count: 0-99999999. out code: 1,3,5</p> <p>Reversible count: 0-99999999. out code: 1,3,5. multiple: a</p>
<b>Output mode</b>	<p>1. When power on, the counter work, reach or exceed the set value, relay switch on.</p> <p>2. When power on, the counter don't work (can make it work by reset button or reset terminals), reach or exceed the set value, relay switch on.</p> <p>3. When power on, the counter work, reach or exceed the set value, relay switch off.</p> <p>4. When power on, the counter don't work (can make it work by reset button or reset terminals), reach or exceed the set value, relay switch off.</p> <p>5. When power on, the counter work, reach or exceed the set value, relay switch on, when reach to preset reset time, the counter reset automatically, begin work again.</p> <p>6. When power on, the counter don't work work (can make it work by reset button or reset terminals), reach or exceed the set value, relay switch on, when reach to preset reset time, the counter reset automatically, begin work again.</p>
<b>Input Signal</b>	Contact, sensor (NPN type)
<b>Max. counting speed</b>	10KHz
<b>Control form</b>	SPDT
<b>Contact rating</b>	5A@250Vac, 7A@24Vdc
<b>cal life</b>	1x10 <sup>6</sup>
<b>Electrical life</b>	1x10 <sup>5</sup>
<b>Power consumption</b>	3W max
<b>Setting method</b>	Dial switch
<b>Indication method</b>	8-segment 4-digital display
<b>Counting error</b>	≤1

<b>Reset time</b>	≥0.05s
<b>Power reset</b>	≥1s
<b>Dielectric strength</b>	2000Vac, 50/60Hz for 1min
<b>Insulation resistance</b>	100MΩ min. at 500 VDC
<b>Matched sensor</b>	NPN type: <a href="#">M8 2mm Sn</a> , <a href="#">M12 4mm Sn</a> , <a href="#">M18 8mm Sn</a> , <a href="#">M18 2m Sn</a> <a href="#">M30 4m Sn</a>
<b>Operating temperature</b>	-10 to 50 °C
<b>Operating humidity</b>	30-85% RH max, non-condensing
<b>Alias name</b>	ZN series time relay, counting relay, frequency meter, tachometer