

## Voltage indicator: CVI+S2

### With 2 Relay Output

The Capacitive Voltage Indicator is designed for to use with MV capacitive voltage divider devices.

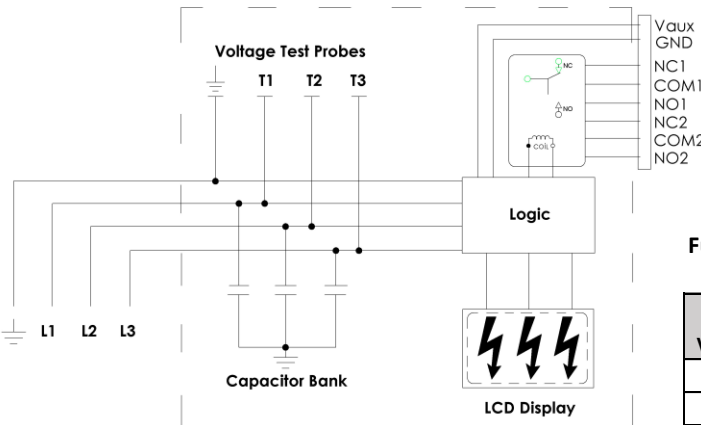


#### Features:

- LRM system
- According to IEC 62271-213
- Self test function without any auxiliary power
- No auxiliary power is needed for voltage detection
- Wide auxiliary input range for relay power supply
- 3-Phase LCD display and bigger screen
- 2 LED indicators for contact status
- 2 Change-over contact for status monitoring
- Easy for installation and maintenance

#### Technical Parameters:

1. Rated frequency : 50Hz or 60Hz
2. Threshold voltage : 10% to 45%Un
3. Operating temperature: -25°C to +55°C
4. Storage temperature : -30°C to +80°C
5. Protection class : IP54
6. Connection leads : 4.8\*0.8mm faston term.
7. Dimension : 96\*50\*50mm
8. Cutting size : 92\*45mm
9. Contact output : 5A, 250VAC or 30VDC
10. Auxiliary power : 24 -230 AC/DC
11. Aux. Power isolation : 1.5 kV
12. Power consumption : Less than 2W



Voltage indicator with 2 relay output



#### Function table:

Phase	Auxiliary Supply	Voltage Indication	Relay 1		Relay 2	
			NO-COM 1-2	NC-COM 2-3	NO-COM 4-5	NC-COM 5-6
<10%	Off	Off	Off	On	Off	On
>45%	Off	On	Off	On	Off	On
<10%	On	Off	Off	On	On	Off
>45%	On	On	On	Off	Off	On

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### Indication Status:

INDICATION OF LCD	Indication with normal operation	Status of phase Voltage U
No indication	No Voltage	$U < 10\% * U_n$
	Display TEST	-
	Voltage Present (light black arrow)	$10\% * U_n < U < 45\% * U_n$
	Nominal Voltage Present (full arrow)	$U > 45\% * U_n$

HV on (Red Led)
On
Off

HV off (Green Led)
Off
On

Auxiliary Supply	Power (Red Led)
On	On
Off	Off

### Relay function table:

Phase Voltage	Auxiliary Supply	Relay 1	
		NO-COM 1-2	NC-COM 2-3
Any Situation	Off	Off	On
All phases $U < 10\% U_n$	On	Off	On
At least 1 phase with $U > 45\% U_n$	On	On	Off

Phase Voltage	Auxiliary Supply	Relay 2	
		NO-COM 4-5	NC-COM 5-6
Any Situation	Off	Off	On
At least 1 phase $U < 10\% U_n$	On	On	Off
All phases with $U > 45\% U_n$	On	Off	On

Terminal connection	Relay 1
1	NO1
2	COM1
3	NC1
Relay 2	
4	NO2
5	COM2
6	NC2
Energy supply	
7	Vaux (24-230 V AC/DC)
8	Gnd (-)

### Required data for order:

- Capacitance of coupling electrode C1
- C2 options; 3.3, 6.8, 10, 22,68 nF
- Cable type and length
- Rated voltage  $U_n$
- Auxiliary power (24-230V AC/DC required)

