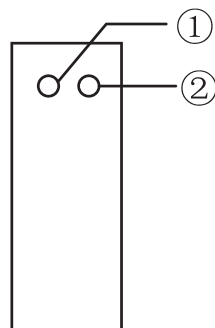


Time relay

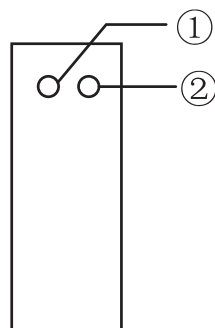
Contact Configuration  
 Universal Power Supply  
 2 LED Status Indicators  
 SPDT or DPDT

Rated Current 15A or 5A  
 Only 17.5 mm Wide  
 DIN Rail Mountable  
 CE RoHS Compliant

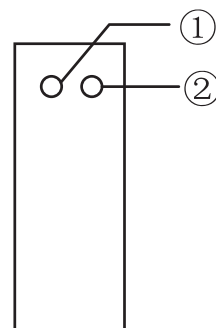
**MODEL & EXPLANATION**



UN2010□  
 UN2020□



UN2110□



UN2210□  
 UN2220□  
 UN2221□  
 UN2222□  
 UN2223□

- ① Power Indicator
- ② Work Indicator

**DIMENSIONS INCHES(MILLIMETERS)**

**WIRING DIAGRAMS**

UN2210 UN2220 UN2010 UN2020 UN2110  
 UN2221  
 UN2222  
 UN2013

Contact Configuration  
Universal Power Supply  
2 LED Status Indicators  
SPDT or DPDT

Rated Current 15A or 5A  
Only 17.5 mm Wide  
DIN Rail Mountable  
CE RoHS Compliant

Type	Spec	Description	Functions
UN2010□	SPDT 5A / 15A AC220V	CALL / RESET RELAY	CALL/RESET
UN2020□	DPDT 5A / 15A AC220V		
UN2110□	SPDT 5A / 15A AC220V	STEP/MONOSTABLE RELAY	STEP/MONOSTABLE
UN2210□	SPDT 5A / 15A AC220V	STEP	
UN2220□	DPDT 5A / 15A AC220V	STEP 0	
UN2221□		STEP 1	
UN2222□		STEP 2	
UN2223□		STEP 3	
			STEP

STEP0

STEP 1

STEP2

STEP3

 **Operating voltage:**

220: AC220V

D24: DC24V

A24: AC24V

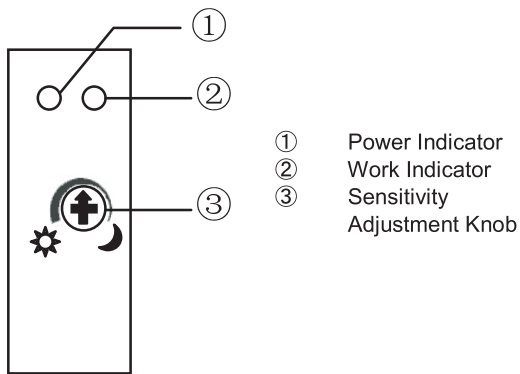
H00: AC/DC12-240V

More...

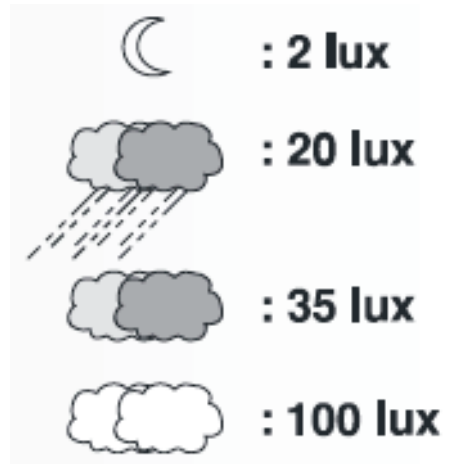
Contact Configuration  
 Universal Power Supply  
 2LED Status Indicators  
 SPDT

Rate Current 15A  
 Only 17.5 mm Wide  
 DIN Rail Mountable  
 CE RoHS Compliant

The UN3110 series controls closing of a contact when brightness decreases and drops below the selected threshold. It controls opening of a contact when brightness increases and rises above the selected threshold

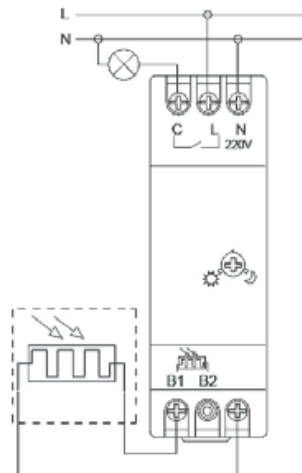


UN3110220: Volt AC220V  
 UN3110110: Volt AC110V



**DIMENSIONS INCHES(MILLIMETERS)**

**WIRING DIAGRAMS**



Contact Configuration  
 Universal Power Supply  
 2LED Status Indicators  
 SPDT

Rate Current 15A  
 Only 17.5 mm Wide  
 DIN Rail Mountable  
 CE RoHS Compliant

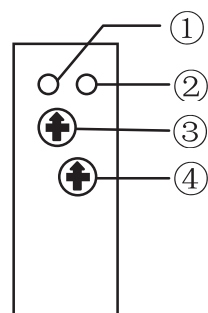
UN3110 series	Lighting
2300 W	Incandescent lamp 230 V
2300 W	Halogen lamp 230 V
2300 VA	Fluorescent tube
8 × 40W (4.7μF) 6 × 58W (7μF) 2 × 100W (18μF)	Parallel compensated fluorescent tube, max. 400 W (42 μ F)
12 × 7W, 8 × 11W, 4 × 20W	Compact fluorescent lamp (CFL), max. 90 W
1000 VA	Non-corrected mercury vapour lamp
400 VA (42 μF)	Parallel-corrected mercury vapour lamp
1000 VA	Non-corrected sodium vapour lamp
400 VA (42 μF)	Parallel-corrected sodium vapour lamp
20 W	LED up to 2 W
55 W	LED between 2 W and 8 W

- Switching capacity:
  - 16 A / 250 Va cos  $\phi = 1$
  - 10 A / 250 Va cos  $\phi = 0.6$
- Degree of protection as per EN 60529: IC100: IP20, cell: IP54.
- Class of protection : class II as per EN 60669.
- Connection:
  - UN3110 : by tunnel terminals for cables up to 6 mm<sup>2</sup>
  - cell: by double insulation 2-conductor cable,max. length: 25 m, not to be placed with power cables or water pipes.
- Operating temperature: -25° C to +50° C.

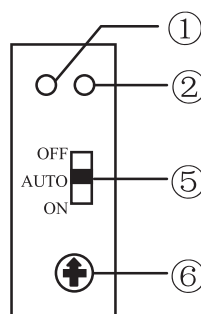
Contact Configuration  
 Universal Power Supply  
 2LED Status Indicators  
 SPDT or DPDT

Rate Current 15A or 15A\*2  
 Only 17.5 mm Wide  
 DIN Rail Mountable  
 CE RoHS Compliant

**MODEL & EXPLANATION**



UN3210□  
 UN3220□



UN3211□  
 UN3221□

- ① Power Indicator
- ② Work Indicator
- ③ Time Adjustment Knob
- ④ On/Auto Selected

- ⑤ Off /Auto/ On Selected
- ⑥ Time Adjustment Knob

**DIMENSIONS INCHES(MILLIMETERS)**

**WIRING DIAGRAMS**

UN3210  
 UN3211

UN3220  
 UN3221

Contact Configuration  
 Universal Power Supply  
 2LED Status Indicators  
 SPDT or DPDT

Rate Current 15A or 15A\*2  
 Only 17.5 mm Wide  
 DIN Rail Mountable  
 CE RoHS Compliant

Type	Spec	Time Range	Timing Chart
UN3210□ UN3211□	One Time-Delay, SPDT	Normally: 20M other specifications need to be customized	SPDT
UN3220□ UN3221□	One Time-Delay, DPDT		DPDT

**□: Operating voltage:**

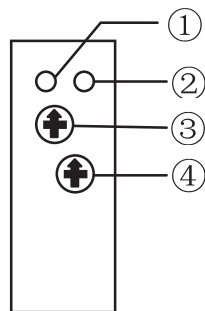
**220: AC220V    D24: DC24V    A24: AC24V    H00: AC/DC12-240V**

**More...**

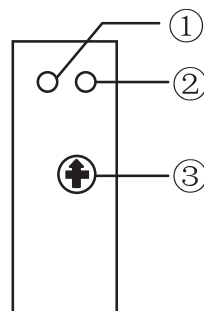
Contact Configuration  
 Universal Power Supply  
 2LED Status Indicators  
 SPDT or DPDT

Rate Current 15A or 15A\*2  
 Only 17.5 mm Wide  
 DIN Rail Mountable  
 CE RoHS Compliant

**MODEL & EXPLANATION**



UN5250□ UN5270□  
 UN5260□ UN5271□



UN5150□ UN5151□  
 UN5160□ UN5161□  
 UN5170□ UN5171□

- |                   |                        |
|-------------------|------------------------|
| ① Power Indicator | ③ Time Adjustment Knob |
| ② Work Indicator  | ④ Time Range Selection |

**DIMENSIONS INCHES(MILLIMETERS)**

**WIRING DIAGRAMS**

UN5150 UN5160  
 UN5151 UN5261  
 UN5250  
 UN5251  
 UN5170  
 UN5171  
 UN5270  
 UN5271



Contact Configuration  
 Universal Power Supply  
 2LED Status Indicators  
 SPDT or DPDT

Rate Current 15A or 15A\*2  
 Only 17.5 mm Wide  
 DIN Rail Mountable  
 CE RoHS Compliant

Type	Spec	Time Range	Timing Chart
UN5150□ UN5160□	One Time-Delay, SPDT1 DPDT	1S, 2S... 1M, 2M... 1H, ..., 30H Customized according to clients' requirements	
UN5151□ UN5161□	One Time-Delay, SPDT2 DPDT		
UN5250□	One Time-Delay, SPDT1 Second/Minute Selected		SPDT1
UN5251□	One Time-Delay, SPDT2 Second/Minute Selected		SPDT2
UN5170□	One Time-Delay, SPDT3		
UN5171□	One Time-Delay, SPDT4		SPDT3
UN5270□	One Time-Delay, SPDT3 Second/Minute Selected		
UN5271□	One Time-Delay, SPDT4 Second/Minute Selected		SPDT4

□: Operating voltage:

220: AC220V

D24: DC24V

A24: AC24V

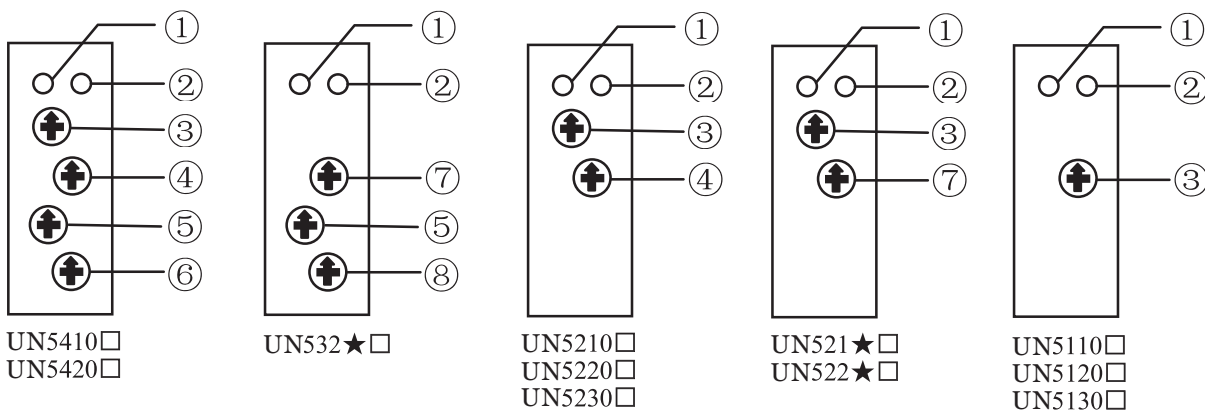
H00: AC/DC12-240V

More...

Contact Configuration  
 Universal Power Supply  
 2LED Status Indicators  
 SPDT or DPDT

Rate Current 15A or 15A\*2  
 Only 17.5 mm Wide  
 DIN Rail Mountable  
 CE RoHS Compliant

**MODEL & EXPLANATION**



- ① Power Indicator
- ② Work Indicator
- ③ Time Adjustment Knob 1
- ④ Second/Minute Selected 1

- ⑤ Time Adjustment Knob 2
- ⑥ Second/Minute Selected 2
- ⑦ Time Range Selection
- ⑧ A/B Mode Selected

**DIMENSIONS INCHES(MILLIMETERS)**

**WIRING DIAGRAMS**

Contact Configuration  
 Universal Power Supply  
 2LED Status Indicators  
 SPDT or DPDT

Rate Current 15A or 15A\*2  
 Only 17.5 mm Wide  
 DIN Rail Mountable  
 CE RoHS Compliant

Type	Spec	Time Range	Timing Chart
UN5110□	One Time-Delay, SPDT	1S, 2S... 1M, 2M... 1H, ..., 30H Customized according to clients' requirements	SPDT
UN5120□	One Time-Delay, DPDT		
UN5210□	One Time-Delay, SPDT Second/Minute Selected		
UN5220□	One Time-Delay, DPDT Second/Minute Selected		
UN5130□	One Time-Delay, One Inst. One Delay Output		
UN5230□	One Time-Delay, One Inst. One Delay Output Second/Minute Selected	★:A,B,C,D,E time range	DPDT
UN521★□	Multi-Period Time-Delay, SPDT		
UN522★□	Multi-Period Time-Delay, DPDT		
UN532★□	Multi-Period Time-Delay, A/B Output Mode Selected A Mode: DPDT B Mode: One Inst., One Delay Output	A 1S/10S/1M/10M B 3S/30S/3M/30M C 6S/60S/6M/60M D 1M/10M/1H/10H E 3M/30M/3H/30H	One Inst., One Delay Output  Circulation Mode SPDT
UN5410□	Circulation Mode SPDT Second/Minute Selected	1S, 2S... 1M, 2M... 1H, ..., 30H Customized according to clients' requirements	Circulation Mode DPDT
UN5420□	Circulation Mode DPDT Second/Minute Selected		

□: Operating voltage:

220: AC220V

D24: DC24V

A24: AC24V

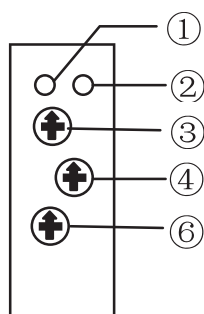
H00: AC/DC12-240V

More...

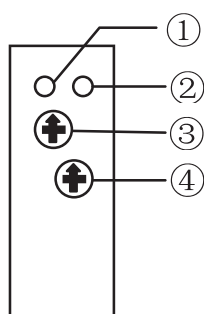
Contact Configuration  
Universal Power Supply  
2LED Status Indicators

Only 17.5 mm Wide  
DIN Rail Mountable  
CE Compliant

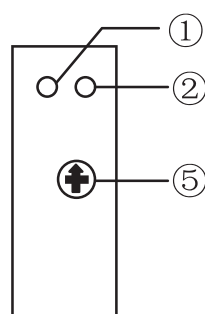
**MODEL & EXPLANATION**



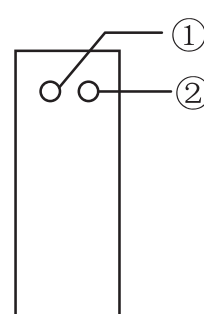
UN7310□  
UN7311□



UN7210□  
UN7211□



UN7110□  
UN7111□



UN7010□  
UN7011□

- ① Power Indicator
- ② Work Indicator
- ③ Over Voltage Setting
- ④ Under Voltage Setting

- ⑤ Over / Under Voltage Setting
- ⑥ Time for Action Delay

**DIMENSIONS INCHES(MILLIMETERS)**

**WIRING DIAGRAMS**

Contact Configuration  
Universal Power Supply  
2LED Status Indicators

Only 17.5 mm Wide  
DIN Rail Mountable  
CE Compliant

	Type	Over Voltage	Under Voltage	Time Delay	Phase Sequence	Phase Failure
SINGLE PHASE	UN7011□	15%		3S	—	—
	UN7111□	0—20%		3S	—	—
	UN7211□	0—20%	0—20%	3S	—	—
	UN7311□	0—20%	0—20%	0.1-10S	—	—
THREE PHASE	UN7010□	15%		3S	✓	✓
	UN7110□	0—20%		3S	✓	✓
	UN7210□	0—20%	0—20%	3S	✓	✓
	UN7310□	0—20%	0—20%	0.1-10S	✓	✓

□: Operating voltage:

110:AC110V

220: AC220V

380:AC380V

415:AC415V

440:AC440V

ITEM NO.	SINGLE PHASE	THREE PHASE
RATED VOLTAGE	AC 110V,220V,380V,415V,440V	AC 220V,380V,415V,440V
FREQUENCY	50 or 60Hz	
RESPONSE TIME OF RELAY	DELAY ON : 0.5S      DELAY OFF : 3S	
CONTACT RATING	AC-15 : 3A/250VAC	
I <sub>th</sub>	5A	
RESET TIME	0.2 Sec Max	
AMBIENT TEMP	-10°C — 55°C	
SETTING ERROR	± 10% MAX	
REPEAT ERROR	± 2% MAX	
VOLTAGE ERROR	± 2% MAX	
TEMP. ERROR	± 2% MAX	

A series of horizontal dashed lines for writing, starting below the header and ending above the footer.



No.241-245, Longxianger Rd,North Baixiang, Yueqing,Zhejiang,China  
[ T ] + 86 (577) 62867666 [ F ] + 86 (577) 62716067  
union@unionele.com chinaelectrical@hotmail.com  
www.unionele.com

---