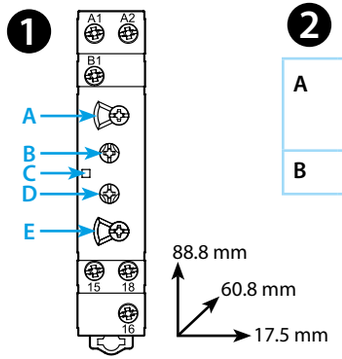
finder
RELAYING INNOVATION

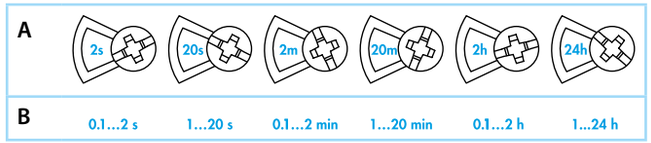
80.91

	80.91.0.240.0000 U_N (12...240) V AC (50/60 Hz) / DC U_{min} 10.8 V AC/DC U_{max} 265 V AC/DC P <1.8 VA (50 Hz) / <1 W
	1 CO (SPDT) 16 A 250 V AC
	AC1 4000 VA AC15 (230 V AC) 750 VA Ⓜ (230 V AC) 0.55 kW DC1 (24/110/220) V (16/0.3/0.12) A
	(–20...+60)°C
IP20	

1

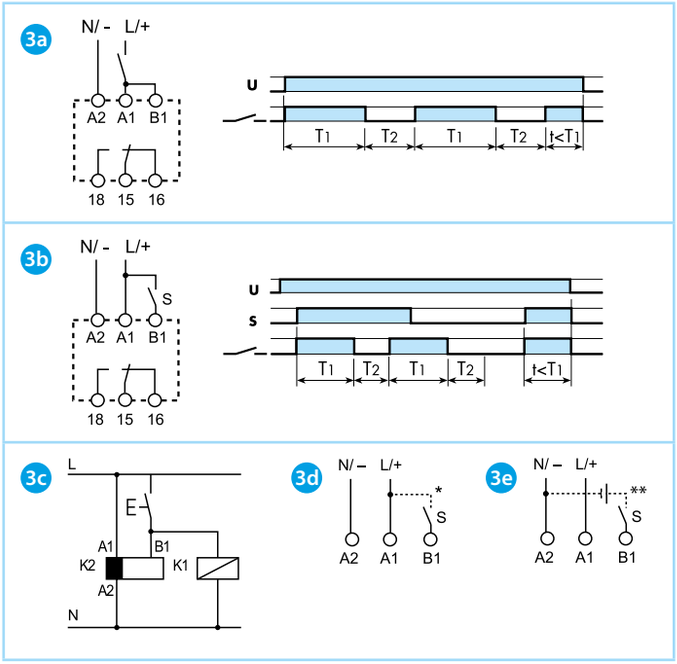


2



LED	U_N		
	–	15 - 18	15 - 16
	√	15 - 18	15 - 16
	√	⏲	15 - 16
	√	15 - 16	15 - 18

3



c UL us

- Open Type Device
- Pollution degree 2 Installation Environment
- Maximum Surrounding Air Temperature 40°C
- Use 60/75°C copper (Cu) conductor only and wire ranges No. 14–18 AWG, stranded or solid
- Terminal tightening torque of 7.1 lb.in. (0.8 Nm)

Utility Model - IB8091001 - 03/25 - Finder S.p.A. con unico socio - 10040 ALMESE (TO) - ITALY

ENGLISH

80.91 MODULAR TIMER ASYMMETRICAL RECYCLING

1 FRONT VIEW

- A Time scales rotary selector (T1)
- B Time setting (T1)
- C LED
- D Functions rotary selector (T2)
- E Time scales rotary selector (T2)

2 TIME SCALES

(Eg. T=20 min: set **A**=20 m and **B**=T max)

3 WIRING DIAGRAM AND FUNCTIONS

(**WARNING**: the functions must be set before energising the timer)

3a Without signal START function
Start via contact in supply line (A1)
LI = Asymmetrical flasher (starting pulse on)

3b With signal START function
Start via contact into control terminal (B1)
LE = Asymmetrical flasher (starting pulse on) with control signal

3c Possible to control an external load, such as another relay coil or timer, connected to the signal start terminal B1

3d With DC supply, positive polarity has to be connected to B1 terminal (according to EN 60204-1)

3e A voltage other than the supply voltage can be applied to the command Start (B1), example:
A1-A2 = 230 V AC
B1-A2 = 12 V DC

OTHER DATA

Minimum control impulse: 50 ms
Recovery time: 100 ms
35 mm rail mount (EN 60715)

WORKING CONDITIONS

In accordance with the European EMC Directive 2014/30/EU, the timer has a high level of immunity against both radiated and conducted disturbances, considerably exceeding the requirements of EN 61812-1. However, devices such as transformers, motors, contactors, switches and power cables may cause disturbances and even damage the timer's electronic circuit. It is therefore recommended that the wiring cables are as short as possible, and when necessary, that the system is protected by Finder 7P Series surge protection devices.

finder