



80.51



80.51-P

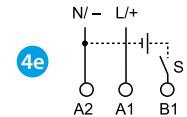
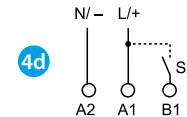
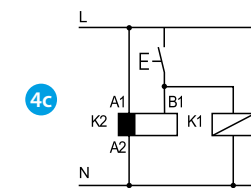
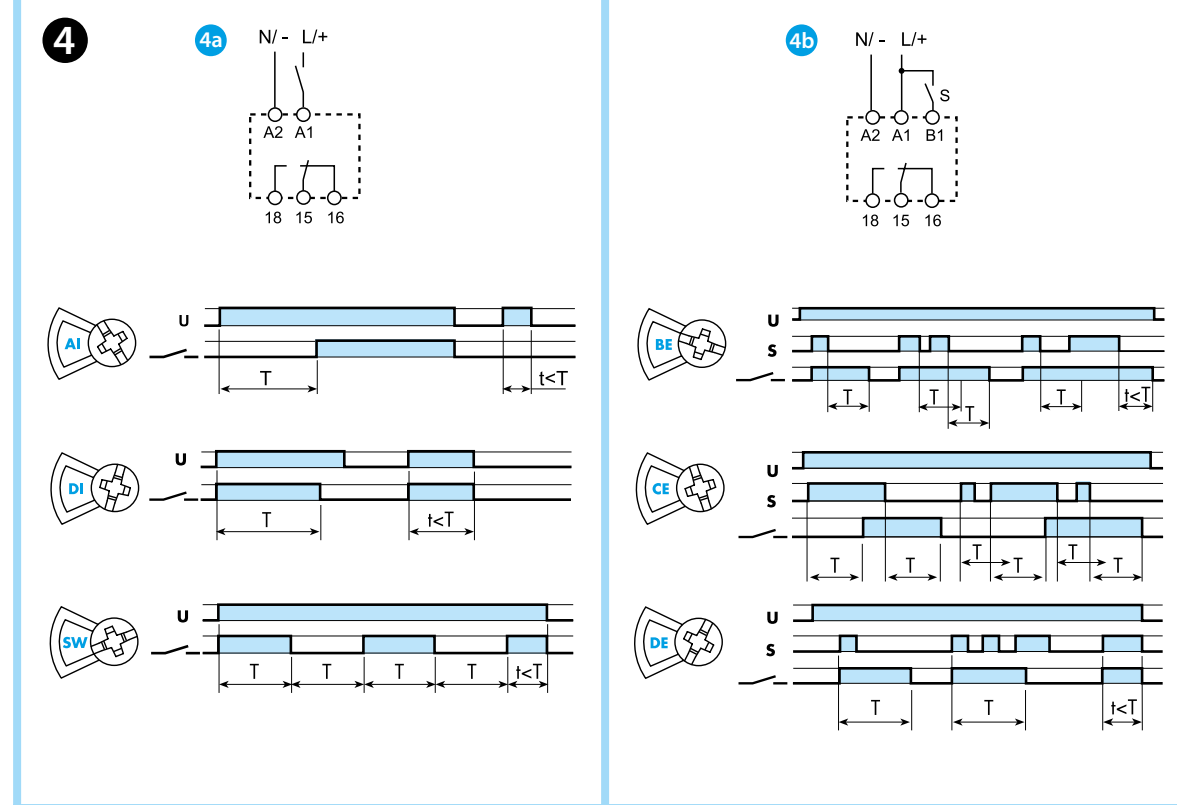
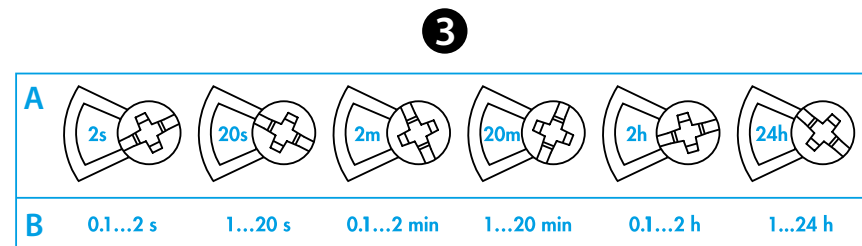
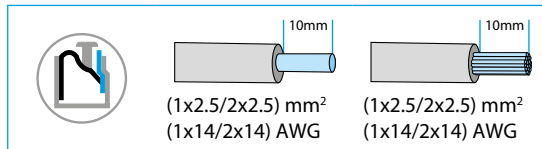
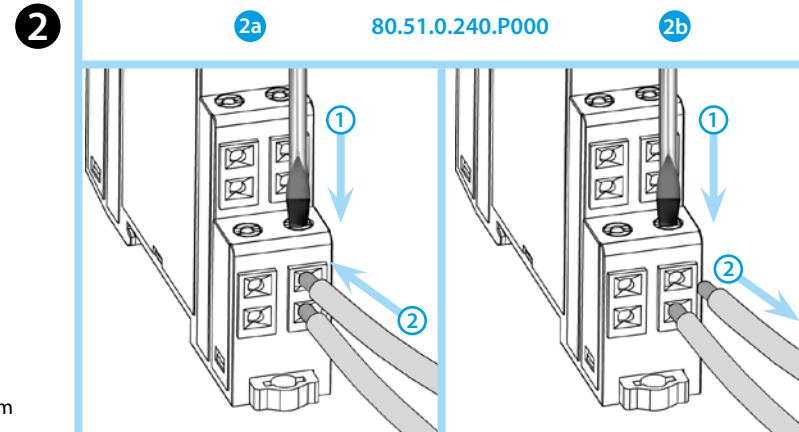
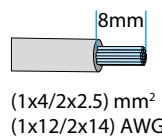
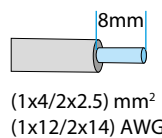
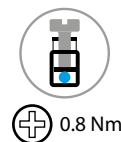
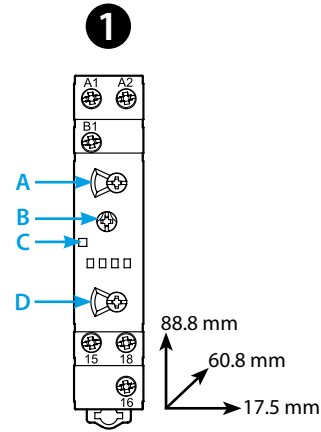
	80.51.0.240.x000 U _N (24...240) V AC (50/60 Hz) / DC U _{min} 17 V AC/DC U _{max} 265 V AC/DC P < 1.8 VA (50 Hz) / < 1 W	
	1 CO (SPDT) 8 A 250 V AC	
	AC1 AC15 (230 V AC) (M) (230 V AC) DC1 (24/110/220) V	2000 VA 400 VA 0.3 kW (8/0.3/0.12)A
	(-20...+60)°C	
IP20		

LED	U_N		
	-	15 - 18	15 - 16
	✓	15 - 18	15 - 16
	✓		15 - 16
	✓	15 - 16	15 - 18



- 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)

80.51.0.240.P000



ENGLISH

80.51 MODULAR TIMER, MULTI-FUNCTION

- FRONT VIEW**
 - A Time scale rotary selector (Tmax)
 - B Time setting (Tmin...Tmax)
 - C LED
 - D Function rotary selector
- TERMINAL PUSH-IN CONNECTION**
 - 2a Connection with stranded wire (without screwdriver in case of solid wire)
 - 2b Disconnection of the electrical connection
- TIME SCALES**
 - (Eg. T=10 min: set A=20 m and B=10)
- WIRING DIAGRAM AND FUNCTIONS**

NOTE
Time scale and function must be set before energising the timer

 - 4a **Without signal START functions:**
 - Start via contact in supply line (A1)
 - AI On-delay
 - DI Interval
 - SW Symmetrical flasher (starting pulse on)
 - 4b **External START functions:**
 - Start via contact into control terminal (B1)
 - BE Off-delay with control signal
 - CE On-and off-delay with control signal
 - DE Interval with control signal on
 - 4c Possible to control an external load, such as another relay coil or timer, connected to the signal start terminal B1
 - 4d With DC supply, positive polarity has to be connected to B1 terminal (according to EN 60204-1)
 - 4e A voltage other than the supply voltage can be applied to the command Start (B1), example:
 - A1-A2 = 230 V AC
 - B1-A2 = 24 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.