finder
SWITCH TO THE FUTURE





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 2000 VA AC15 (230 V AC) 400 VA Ⓜ (230 V AC) 0.3 kW DC1 (24/110/220) V (8/0.3/0.12)A
	(–20...+60)°C
	IP20

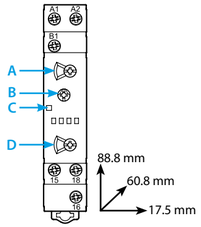
LED	U_N		
	–	15 - 18	15 - 16
	√	15 - 18	15 - 16
	√	◷	15 - 16
	√	15 - 16	15 - 18

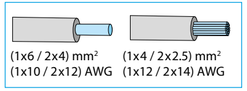
cULus

- 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)

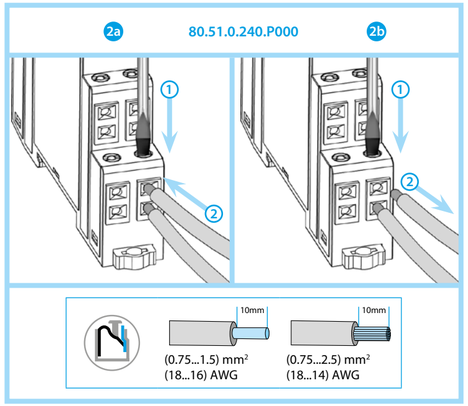
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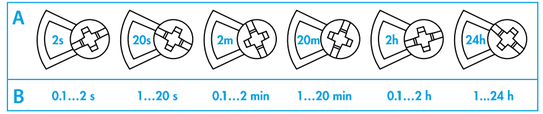




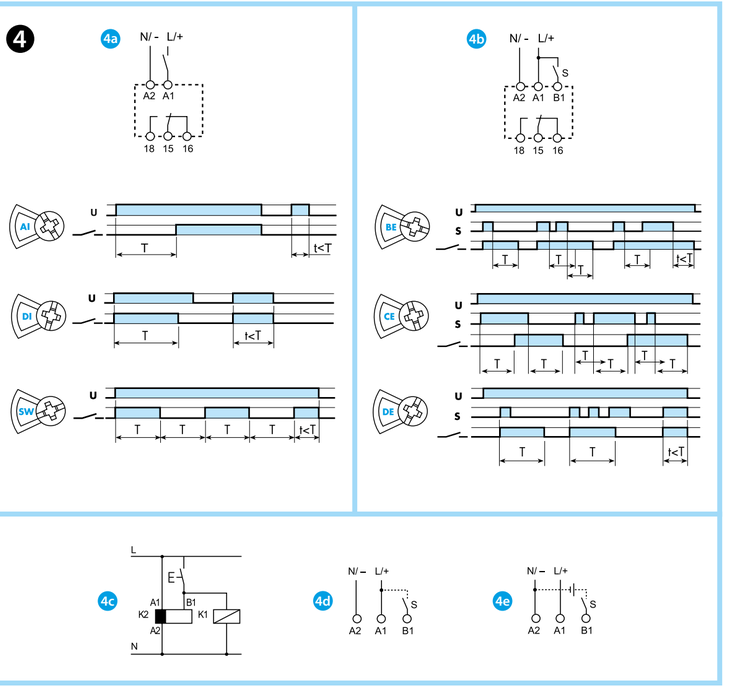
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Utility Model - IB8051VXX - 09/24 - Finder S.p.A. con unico socio - 10040 ALMESE (TO) - ITALY

ENGLISH

80.51 MODULAR TIMER, MULTI-FUNCTION

1 FRONT VIEW
- A Time scale rotary selector (Tmax)
- B Time setting (Tmin...Tmax)
- C LED
- D Function rotary selector

2 TERMINAL PUSH-IN CONNECTION
- 2a Connection with stranded wire (without screwdriver in case of solid wire)
- 2b Disconnection of the electrical connection

3 TIME SCALES
(Eg. T=10 min: set A=20 m and B=10)

4 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 conformity with the European Directive on EMC 2014/30/EU, the timer relay has a level of immunity, against radiated and conducted disturbances, considerably higher than requirements of EN 61812-1 standard. However, devices like transformers, motors, contactors, switches and power cables may cause disturbances and even damage the timer electronic circuit. For that reason, the wiring cables must be as short as possible, and, when necessary, the timer shall be protected by the relevant RC network, varistor or surge voltage protector.

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