finder
RELAYING INNOVATION



83.11
83.21

83.41

GENERAL SAFETY AND INSTALLATION WARNINGS

1 Keep this document for future reference.

2 Installation, connection, and maintenance of the device must be performed exclusively by qualified technical personnel and in compliance with the electrical regulations in force in the country of installation.

3 Before performing any operation (installation, maintenance, or cleaning), always disconnect the power supply by switching off the main switch.

4 Do not expose to rain, humidity, or extreme heat.

5 Do not install the device near direct heat sources or airflow (e.g., air conditioners, radiators) to prevent malfunctions.

6 Install the device at a suitable distance from sources of strong electromagnetic fields (such as industrial motors, transformers, inverters, or antennas) that could cause unintended activation or malfunctions.

7 Keep power supply and load cables separated from high-frequency signal transmission cables or data networks.

8 Do not tamper with or modify the device enclosure; structural alterations may compromise electromagnetic shielding and void compliance with EMC directives.

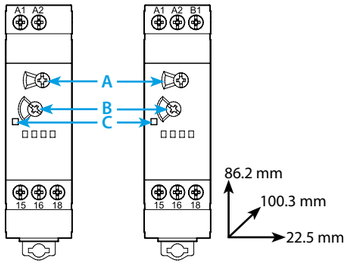
FURTHER INFORMATION

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via Drubiaglio 14-10040-Almese (TO) - Italy - findernet.com

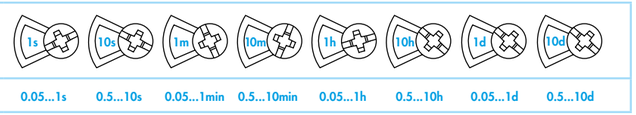
83.11.0.240.0000 83.21.0.240.0000 83.41.0.240.0000		
	(24...240)V AC (50/60 Hz) / DC U_{min} 16.8 V AC / DC U_{max} 265 V AC / DC $P_{(AC/DC)}$ < 1.5 VA / < 2 W	
	1 CO (SPDT) 16 A 250 V AC	
	AC1	4000 VA
	AC15 (230 V AC)	750 VA
	M (230 V AC)	0.5 kW
	DC1 (24/110/220) V	(16/0.3/0.12) A
	(–20...+60)°C	
IP20		

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

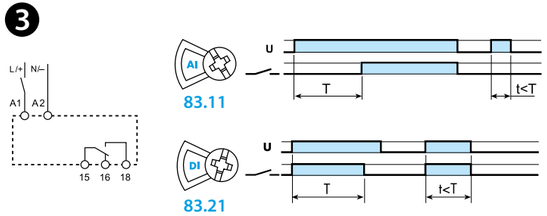
1 83.11 83.21 83.41



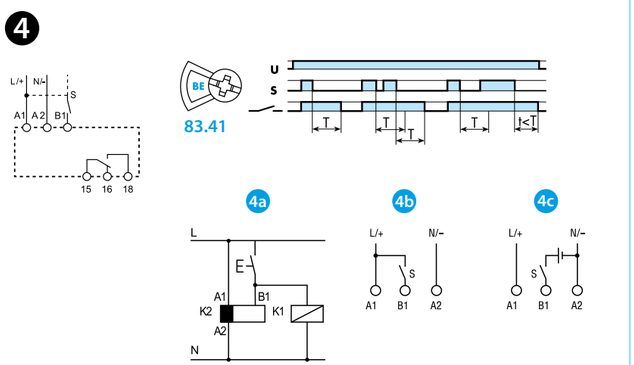
2



3



4



ENGLISH

83.11 - 83.21 - 83.41
MODULAR TIMER, MONO-FUNCTION

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

2 TIME SCALES
(Eg. T=10 min: set **A**=10 m and **B**=T max)

3 WIRING DIAGRAM AND FUNCTIONS (83.11-83.21)
- **3a Start via contact in supply line (A1)**
  - **83.11 AI** On-delay
  - **83.21 DI** Interval

4 WIRING DIAGRAM AND FUNCTION (83.41)
Start via contact into control terminal (B1)
BE Off-delay with control signal
- **4a** Possible to control an external load, such as another relay coil or timer, connected to the signal start terminal B1
- **4b** With DC supply, positive polarity has to be connected to B1 terminal (according to EN 60204-1)
- **4c** 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 (83.41)
Recovery time: 200 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.

finder