

## ORDERING INFORMATION

Example: 85 series timer, 4 CO, 24 V AC/DC supply voltage with AI - DI functions.

**8 5 . 0 4 . 0 . 0 2 4 . 0 0 0 0**

**Series**

**Type**

0 = Multifunction (AI, DI, GI, SW)

**No. of poles**

2 = 2 pole · 10 A

3 = 3 pole · 10 A

4 = 4 pole · 7 A

**Supply voltage**

012 = 12 V AC/DC

024 = 24 V AC/DC

048 = 48 V AC/DC

125 = 110...125 V AC/DC

240 = 230...240 V AC

**Supply version**

0 = AC (50/60 Hz)/DC

8 = AC (50/60 Hz) for 230 V only

## TECHNICAL DATA

### EMC SPECIFICATIONS

TYPE OF TEST	REFERENCE STANDARD	
ELECTROSTATIC DISCHARGE	- contact discharge	EN 61000-4-2
	- air discharge	EN 61000-4-2
RADIO-FREQUENCY ELECTROMAGNETIC FIELD (80 ÷ 1000 MHz)	EN 61000-4-3	15 V/m
FAST TRANSIENTS (burst) (5-50 ns, 5 kHz) on Supply terminals	EN 61000-4-4	4 kV
SURGES (1.2/50 µs) on Supply terminals	- common mode	EN 61000-4-5
	- differential mode	EN 61000-4-5
RADIO-FREQUENCY COMMON MODE (0.15 ÷ 80 MHz) on Supply terminals	EN 61000-4-6	10 V
POWER-FREQUENCY (50 Hz)	EN 61000-4-8	30 A/m
RADIATED AND CONDUCTED EMISSION	EN 55022	class B

### OTHER DATA

POWER LOST TO THE ENVIRONMENT		2 pole	3 pole	4 pole
- without contact current	W	1.6	1.6	1.6
- with rated current	W	3.7	4.7	3.6

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## TIME SCALES

(0.05...1) s	(0.5...10) s	(5...100) s	(0.5...10) min	(5...100) min	(0.5...10) h	(5...100) h
1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5

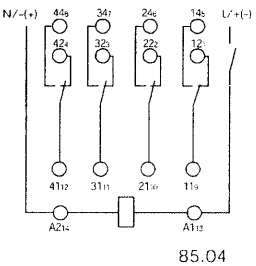
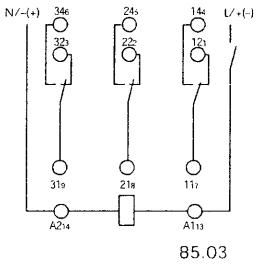
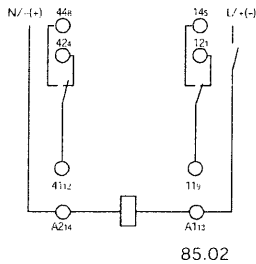
NOTE: time scales and functions must be set before energising the timer.

**FUNCTIONS**

	LED Red	Supply voltage	NO output contact	Contacts	
				Open	Closed
<b>U</b> = Supply voltage <b>C</b> = Output contact		OFF	Open	x1 - x4	x1 - x2
		ON	Open	x1 - x4	x1 - x2
		ON	Open (Timing in Progress)	x1 - x4	x1 - x2
		ON	Closed	x1 - x2	x1 - x4

**Wiring diagram**

**Types: 85.02, 85.03, 85.04**



**(AI) ON delay.**  
 Apply power to timer.  
 Output contacts transfer after preset time has elapsed.  
 Reset occurs when power is removed.

**(DI) ON pulse.**  
 Apply power to timer.  
 Output contacts transfer immediately.  
 After the preset time has elapsed, contacts reset.

**(GI) Fixed pulse (0.5s) delayed.**  
 Apply power to timer. Output contacts transfer after preset time has elapsed. Reset occurs after a fixed time of 0.5s. 0.5s.

**(SW) Symmetrical recycler: ON start.**  
 Apply power to timer.  
 Output contacts transfer immediately and cycle between ON and OFF for as long as power is applied.  
 The ratio is 1:1 (time on = time off).