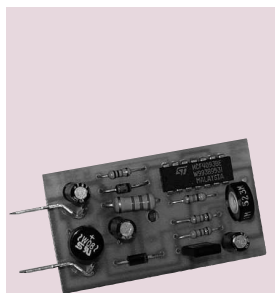


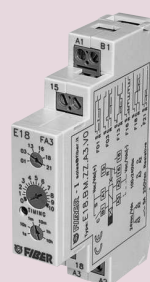
ER1



E10 FC8



E18 FA3



Specifications

Single voltage	•	•	
Multi voltage			•
Single range	•	•	
Dual range			
Multi-range			•
Single-function	•	•	
Multi-function			•

Functions:

Delay on energisation		•	•
Delay on energisation after opening of the control contact			•
Delay on energisation with cumulative times			
Delay on de-energisation			•
Delay on de-energisation (supply off)			
Timing on pulse			•
"Star-delta" starter			
Symmetrical recycler		•	•
2 adjustable times recycler			•
Timing on energisation			•
Timed motor reversal			

Mounting:

35 mm DIN rail (EN50022)			•
screw			
plug in socket			
on front panel			
on solenoid valve		•	
Board without case	•		

Technical data page

4.4

4.5

4.6

Accessories



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4.7 ÷ 4.13	4.14	4.15	4.16 ÷ 4.18	4.19	4.20
	12.2 ÷ 12.4	12.2 ÷ 12.4	12.2 ÷ 12.4		12.2 ÷ 12.4

Specifications

Single-voltage

Multi-voltage

Single-range

Multi-range

Single-function

Multi-voltage

With display

Without display

Quartz

Ceramic resonator

Functions:

Delay on energisation

Delay timing after opening
of control contact

Delay on energisation
with cumulative times

Delay on de-energisation

Timing on pulse

Symmetrical recycler

2 adjustable times recycler

Timing on energisation

Delayed fixed pulse

Mounting:

Front-panel

Plug in
socket

Front panel with customized membrane

Technical data page

Accessories

E58 FA0



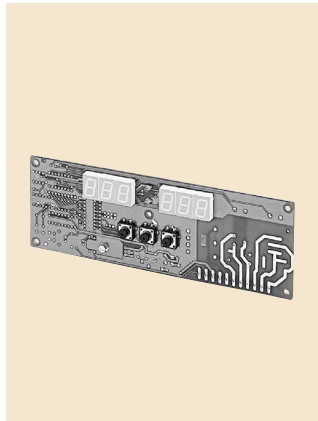
E59 F09



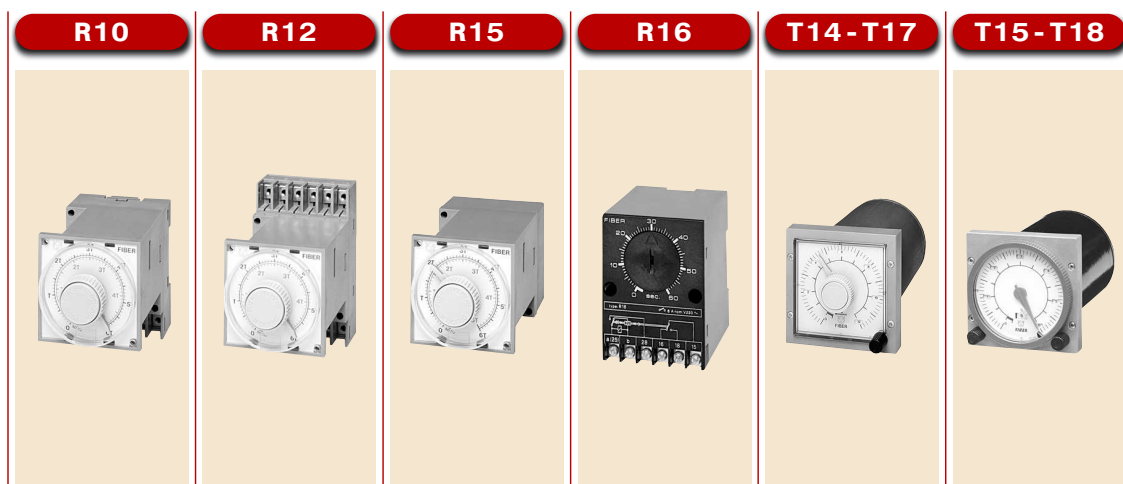
E59 F24



ETB



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5.4	5.6	5.7	5.8 + 5.9
12.2 + 12.4	12.2 + 12.4	12.2 + 12.4	



Specifications

Single-frequency (50Hz or 60Hz)				•	•	•
Dual-frequency (50Hz and 60Hz)	•	•	•			
Time range front selector (5 times range)					• (T17)	• (T18)
Time range side selector (6 times range)	•	•	•			
Time range internal selector (5 times range)					• (T14)	• (T15)
Single-range				•		
Functions:						
Delay on energisation	•	•	•	•	•	•
Delay on de-energisation	•	•	•	•	•	•
Delay on energisation with manual reset						
Overall dimensions:	60 x 78 x 99	60 x 96 x 99	60 x 60 x 114	60 x 82 x 66	96 x 96 x 163	96 x 96 x 159
Mounting:						
35 mm DIN rail (EN50022)	•			•		
Screw fixing	•	•		•		
Plug in socket			•			
Front-panel	•	•	•		•	•
Connections:						
8-pin socket						
11-pin socket			•			
Faston 6,35 mm	•	•	•	•	•	•
Screws	•	•		•	•	•
Technical data page	7.4	7.6	7.8	7.10	7.12	7.14
Accessories	12.4	12.4	12.2 + 12.4	-	-	-



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45 x 70 x 119	50 x 75 x 127	96 x 96 x 104	66 x 66 x 110	72 x 72 x 132.5	48 x 48 x 114	45 x 73 x 100
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7.16	7.18	7.20	7.22	7.24	7.26	7.28
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