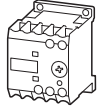
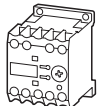


DIL ET Electronic Timing Relays

UL / CSA / IEC / CE

Industrial Control Relays,
Electronic Timing Relays

	IEC rated operational current I _e at AC-15 220V 230V 240V	UL/CSA Pilot Duty Rating	Time range	24 – 240 V, 50/60 Hz, AC 24 – 240 V, DC Type Article No.	Price see price list
A					
Timing relay, ON-delayed					
	3	B 300	1,5 – 30 s	DILET11-30-A 048878	
	3	B 300	0,05 – 1 s 0,15 – 3 s 0,5 – 10 s 3 – 60 s 0,15 – 3 min 0,5 – 10 min 3 – 60 min 0,15 – 3 h 0,5 – 10 h 3 – 60 h	DILET11-M-A 048886	
Multi-function relay with connection for remote potentiometer					
	3	B 300	0,05 – 1 s 0,15 – 3 s 0,5 – 10 s 3 – 60 s 0,15 – 3 min 0,5 – 10 min 3 – 60 min 0,15 – 3 h 0,5 – 10 h 3 – 60 h	DILET70-A 048893	

Setting example (2 ways)

Using the chart:

Time range selected 60 min
Time required 42 min
Setting required on time selection dial 7

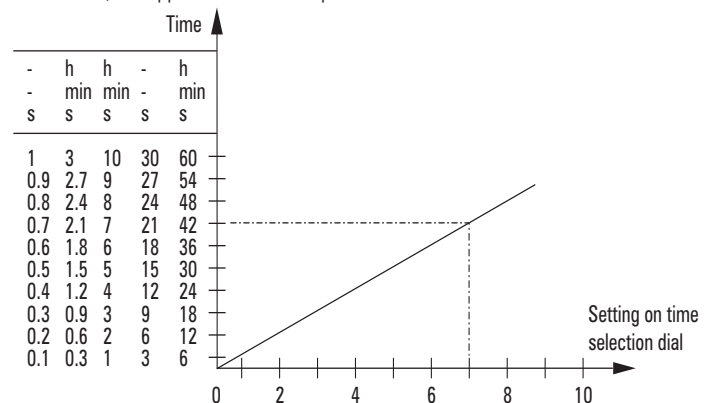
Calculating the setting:

$$\frac{\text{time required} \times 10}{\text{timing range selected}} = \text{setting on time selection dial}$$

$$\frac{42 \text{ min} \times 10}{60 \text{ min}} = 7$$

Timing chart

Approximate values, not applicable for remote potentiometer



DIL ET Electronic Timing Relays

UL / CSA / IEC / CE

Available functions¹⁾

Terminal markings

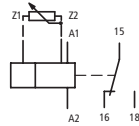


Dry contact
Do not apply voltage!

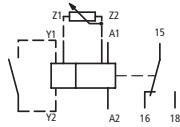
11

11

11, 21, 42, 81



12, 16, 22, 82



Notes

One Device for All Voltage Ratings !
The DIL ET timing relays operate reliably when actuated by DC and AC voltage levels in the range indicated in the table below. There is no need to specify 'coil' voltages or stock coils.

Type suffix	Actuating voltage printed on unit	
	V DC	V AC
-A	24 – 240	24 – 240, 50/60 Hz
Voltage tolerance range:		
-A	16.8 – 288	20.4 – 264

Allowable cable length:

	Connection to Y1/Y2 Z1/Z2
Unshielded conductors AWG 14 ... 18	250 m
Conductors in same conduit or cable duct as 50/60 Hz power conductors	50 m

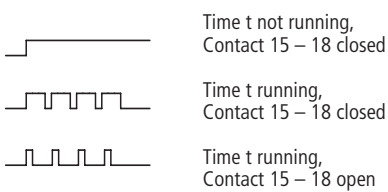
Accessories:	Page
Tamper-proof cover	02/025
Remote potentiometer	02/026

Notes

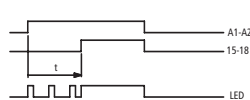
¹⁾ DIL ET 11 supplied with this function as standard

Flow diagrams

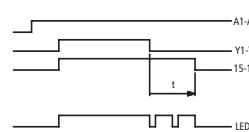
LED indication



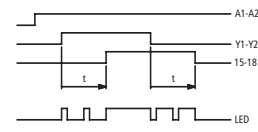
11 ON-delayed



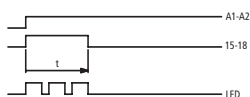
12 OFF-delayed



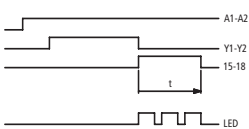
16 ON and OFF-delayed



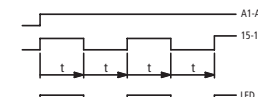
21 Fleeting contact on energization



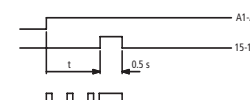
22 Fleeting contact on de-energization



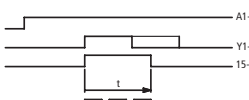
42 Flashing



81 Pulse generating



82 Pulse shaping



ON-OFF function

