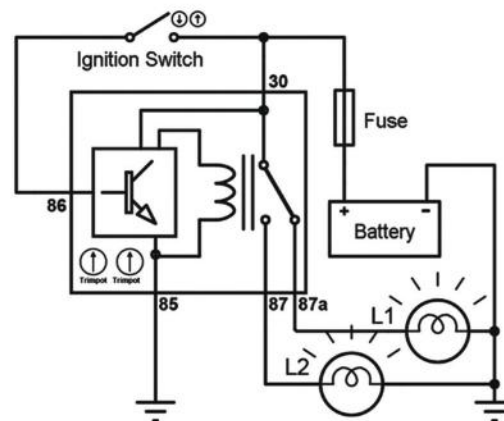
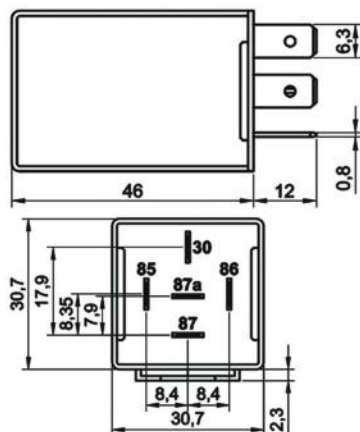


Countdown Timer Relay - User Adjusted by Trimpots

Product Code 201.018.001 - 12V
 201.018.002 - 24V

Terminal Configuration & Dimensions & Diagram



Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm²)*
- 207.100.003 Socket – 5 Terminals – Black & Blue/ Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

	201.018.001	201.018.002
Nominal Voltage	12V	24V
Operating Voltage	9,0 - 16,0Vdc	18,0 - 30,0Vdc
Rated Continuous Load	NO 10A / NC 10A	NO 10A / NC 5A
Nominal Continuous Load Power	NO 120W / NC 120W	NO 240W / NC 120W
Output Contact Structure	1 Form C / SPDT	1 Form C / SPDT
Time Adjustment Method	Adjustment by the user with trimpots	Adjustment by the user with trimpots
Time Adjustment Between	0,1 seconds - 11 hours	0,1 seconds - 11 hours
Trigger Type	(+) Standard production / (-) On request	(+) Standard production / (-) On request
Dielectric Strength	>1000Vdc	>1000Vdc
Vibration	20-200Hz,5g;>10us	20-200Hz,5g;>10us
Mechanical Shock	>10g, 11ms>10us	>10g, 11ms>10us
IP Rating	IP54 DIN IEC60529	IP54 DIN IEC60529
Terminals	6,3 x 0,8mm	6,3 x 0,8mm
Terminals / Plating	Fe/E-Sn	Fe/E-Sn
Bracket / Plating	Fe/E-Zn	Fe/E-Zn
Ambient Temperature	- 40 / + 80 °C	- 40 / + 80 °C

Product Details

A timer relay is required to operate a circuit, machine or mechanism for a certain period of time. The ELO Countdown Timer Relay gives an output as soon as it receives a trigger and continues to do so as long as the trigger is present. When the trigger is removed, it starts to countdown the time previously specified and turns output at the end of this countdown. Although it can be used for different purposes, automatic folding side mirrors, computers and multimedia systems are some of the common application areas. The common concern in all these applications are that as soon as the engine is turned off, the output is not cut-off which means there is a specified countdown period for such appliances to shut down properly and safely.

201.018.001 and 201.018.002 ELO Countdown Timer Relays are user adjusted relays. The user adjusts the time period, which the relay will countdown to turn off the output after ignition has been switched off. The adjustment is made through trimpots on the unit for a time between 0,1 seconds to 11 hours.

There are also ELO Countdown Timer Relays (201.018.003, 201.018.004, 201.018.005 and 201.018.006) which time adjustments are made by ELO as customer's request.

Notes

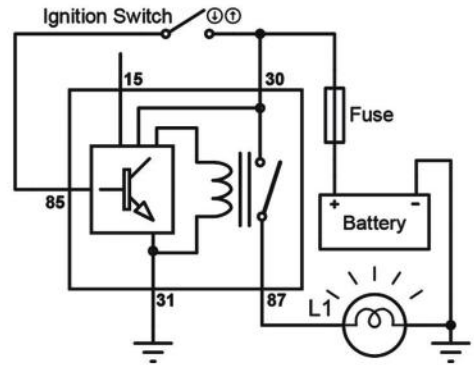
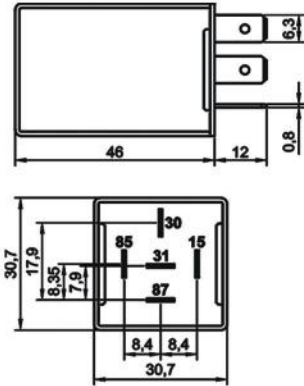
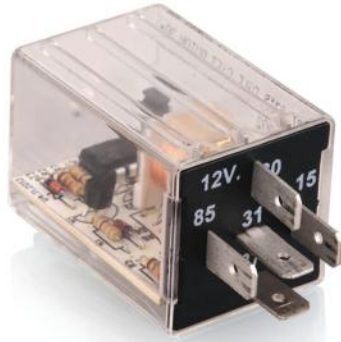
All measurements are in milimeters.



Countdown Timer Relay - Adjusted by ELO

Product Code **201.018.003** - 12V
 201.018.004 - 24V

Terminal Configuration & Dimensions & Diagram



Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm²)*
- 207.100.003 Socket – 5 Terminals – Black & Blue/ Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

	201.018.003	201.018.004
Nominal Voltage	12V	24V
Operating Voltage	9,0 - 16,0Vdc	18,0 - 30,0Vdc
Rated Continuous Load	10A	10A
Nominal Continuous Load Power	120W	240W
Output Contact Structure	1 Form A / SPST NO	1 Form A / SPST NO
Time Adjustment Method	Adjusted by ELO with 3 different options	Adjusted by ELO with 3 different options
Time Adjustment Between	As per customer request	As per customer request
Default Time Adjustment	1 - 2 - 3 minute(s)	1 - 2 - 3 minute (s)
Trigger Type	(+) Standard production / (-) On request	(+) Standard production / (-) On request
Dielectric Strength	>1000Vdc	>1000Vdc
Vibration	20-200Hz,5g:>10us	20-200Hz,5g:>10us
Mechanical Shock	>10g, 11ms>10us	>10g, 11ms>10us
IP Rating	IP54 DIN IEC60529	IP54 DIN IEC60529
Terminals	6,3 x 0,8mm	6,3 x 0,8mm
Terminals / Plating	Fe/E-Sn	Fe/E-Sn
Bracket / Plating	Fe/E-Zn	Fe/E-Zn
Ambient Temperature	- 40 / + 80 °C	- 40 / + 80 °C

Notes

All measurements are in millimeters.

Countdown Timer Relay - Adjusted by ELO

Product Code **201.018.003** - 12V (Cont'd)
 201.018.004 - 24V

Product Details

A timer relay is required to operate a circuit, machine or mechanism for a certain period of time. The ELO Countdown Timer Relay gives an output as soon as it receives a trigger and continues to do so as long as the trigger is present. When the trigger is removed, it starts to countdown the time previously specified and turns output at the end of this countdown. Although it can be used for different purposes, automatic folding side mirrors, computers and multimedia systems are some of the common application areas, as the common concern in all these applications are that as soon as the engine is turned off, the output is not cut-off which means there is a specified countdown period for such appliances to shut down properly and safely.

201.018.003 and 201.018.004 ELO Countdown Timer Relays are pre-adjusted with 3 different time options by ELO according to customer's request. Changeable time adjustment can be anywhere between 0,1 seconds to 1 year. The user may change between pre-adjusted time options by using the bridge on the product. When customer has no preferred time options, standard times of 1, 2 and 3 minutes are used.

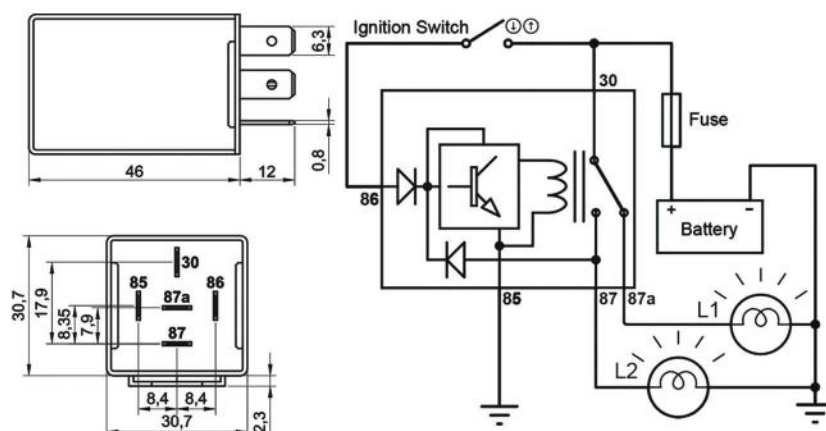
201.018.003 and 201.018.004 ELO Countdown Timer Relays have the same operating principle as 201.018.005, 201.018.006, 201.018.007 and 201.018.008. The difference between these products are contact structure, number of terminals and terminal markings.

Another line of ELO Countdown Timer Relays (201.018.001 and 201.018.002) which time adjustments are made by the user through the trimpots on the product.

Countdown Timer Relay - Adjusted by ELO

Product Code **201.018.005** - 12V
 201.018.006 - 24V

Terminal Configuration & Dimensions & Diagram



Accessories

- 207.150.251 Socket – 5 Terminals, 5 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm²)*
- 207.100.003 Socket – 5 Terminals – Black & Blue/ Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

	201.018.005	201.018.006
Nominal Voltage	12V	24V
Operating Voltage	9,0 - 16,0Vdc	18,0 - 30,0Vdc
Rated Continuous Load	NO 30A / NC 20A	NO 20A / NC 10A
Nominal Continuous Load Power	NO 360W / NC 240W	NO 480W / NC 240W
Output Contact Structure	1 Form C / SPDT	1 Form C / SPDT
Time Adjustment Method	Adjusted by ELO with 3 different options	Adjusted by ELO with 3 different options
Time Adjustment Between	As per customer request	As per customer request
Default Time Adjustment	1 - 2 - 3 minute(s)	1 - 2 - 3 minute(s)
Trigger Type	(+) Standard production / (-) On request	(+) Standard production / (-) On request
Dielectric Strength	>1000Vdc	>1000Vdc
Vibration	20-200Hz,5g:>10us	20-200Hz,5g:>10us
Mechanical Shock	>10g, 11ms>10us	>10g, 11ms>10us
IP Rating	IP54 DIN IEC60529	IP54 DIN IEC60529
Terminals	6,3 x 0,8mm	6,3 x 0,8mm
Terminals / Plating	Fe/E-Sn	Fe/E-Sn
Bracket / Plating	Fe/E-Zn	Fe/E-Zn
Ambient Temperature	- 40 / + 80 °C	- 40 / + 80 °C

Notes

All measurements are in millimeters.

Countdown Timer Relay - Adjusted by ELO

<i>Product Code</i>	201.018.005	- 12V (Cont'd)
	201.018.006	- 24V

Product Details

A timer relay is required to operate a circuit, machine or mechanism for a certain period of time. The ELO Countdown Timer Relay gives an output as soon as it receives a trigger and continues to do so as long as the trigger is present. When the trigger is removed, it starts to countdown the time previously specified and turns output at the end of this countdown. Although it can be used for different purposes, automatic folding side mirrors, computers and multimedia systems are some of the common application areas, as the common concern in all these applications are that as soon as the engine is turned off, the output is not cut-off which means there is a specified countdown period for such appliances to shut down properly and safely.

201.018.005 and 201.018.006 ELO Countdown Timer Relays are pre-adjusted with 3 different time options by ELO according to customer's request. Changeable time adjustment can be anywhere between 0,1 seconds to 1 year. The user may change between pre-adjusted time options by using the bridge on the product. When customer has no preferred time options, standard times of 1,2 and 3 minutes are used.

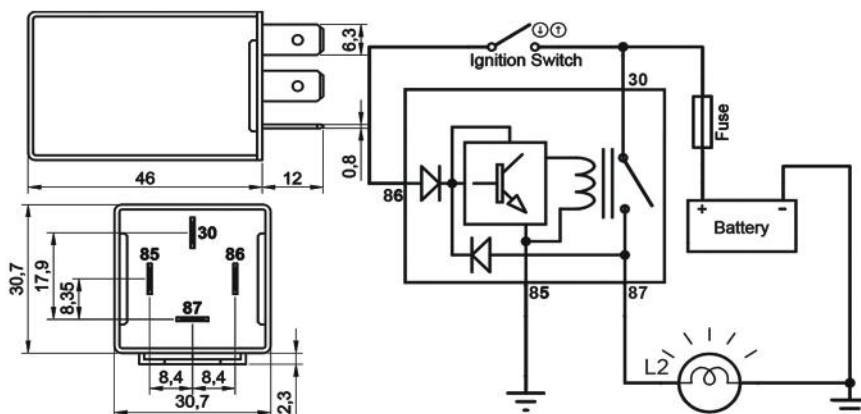
201.018.005 and 201.018.006 ELO Countdown Timer Relays have the same operating principle as 201.018.003, 201.018.004, 201.018.007 and 201.018.008. The difference between these products are contact structure, number of terminals and terminal markings.

There are also ELO Countdown Timer Relays (201.018.001 and 201.018.002) which time adjustments are made by the user through the trim pots on the product.

Countdown Timer Relay - Adjusted by ELO

Product Code 201.018.007 - 12V
 201.018.008 - 24V

Terminal Configuration & Dimensions & Diagram



Accessories

- 207.140.251 Socket – 5 Terminals, 4 Cables - Black (Standard cable length 20 cm & cable cross section 1,50 mm²)*
- 207.100.003 Socket – 5 Terminals – Black & Blue/ Pack of 2
- 207.100.001 Socket – 5 Terminals – Black
- 207.100.002 Socket – 5 Terminals – Blue

* Indicates cross section of cables carrying higher current. Please refer to **Socket Product Group** pages for different alternatives.

Technical Data

	201.018.007	201.018.008
Nominal Voltage	12V	24V
Operating Voltage	9,0 - 16,0Vdc	18,0 - 30,0Vdc
Rated Continuous Load	NO 30A	NO 20A
Nominal Continuous Load Power	NO 360W	NO 480W
Output Contact Structure	1 Form A / SPST NO	1 Form A / SPST NO
Time Adjustment Method	Adjusted by ELO with 3 different options	Adjusted by ELO with 3 different options
Time Adjustment Between	As per customer request	As per customer request
Default Time Adjustment	1 - 2 - 3 minute(s)	1 - 2 - 3 minute(s)
Trigger Type	(+) Standard production / (-) On request	(+) Standard production / (-) On request
Dielectric Strength	>1000Vdc	>1000Vdc
Vibration	20-200Hz,5g:>10us	20-200Hz,5g:>10us
Mechanical Shock	>10g, 11ms>10us	>10g, 11ms>10us
IP Rating	IP54 DIN IEC60529	IP54 DIN IEC60529
Terminals	6,3 x 0,8mm	6,3 x 0,8mm
Terminals / Plating	Fe/E-Sn	Fe/E-Sn
Bracket / Plating	Fe/E-Zn	Fe/E-Zn
Ambient Temperature	- 40 / + 80 °C	- 40 / + 80 °C

Notes

All measurements are in millimeters.

Countdown Timer Relay - Adjusted by ELO

<i>Product Code</i>	201.018.007	- 12V (Cont'd)
	201.018.008	- 24V

Product Details

A timer relay is required to operate a circuit, machine or mechanism for a certain period of time. The ELO Countdown Timer Relay gives an output as soon as it receives a trigger and continues to do so as long as the trigger is present. When the trigger is removed, it starts to countdown the time previously specified and turns output at the end of this countdown. Although it can be used for different purposes, automatic folding side mirrors, computers and multimedia systems are some of the common application areas, as the common concern in all these applications are that as soon as the engine is turned off, the output is not cut-off which means there is a specified countdown period for such appliances to shut down properly and safely.

201.018.007 and 201.018.008 ELO Countdown Timer Relays are pre-adjusted with 3 different time options by ELO according to customer's request. Changeable time adjustment can be anywhere between 0,1 seconds to 1 year. The user may change between pre-adjusted time options by using the bridge on the product. When customer has no preferred time options, standard times of 1, 2 and 3 minutes are used.

201.018.007 and 201.018.008 ELO Countdown Timer Relays have the same operating principle as 201.018.003, 201.018.004, 201.018.005 and 201.018.006. The difference between these products are contact structure, number of terminals and terminal markings.

There are also ELO Countdown Timer Relays (201.018.001 and 201.018.002) which time adjustments are made by the user through the trimpots on the product.