

Time relay



31 L48T...



31 L48TP...



31 L48TPB...



31 L48M...

Order code	Time scale range	Rated auxiliary supply voltage	Qty per pkg	Wt
		[V]	n°	[kg]

Time relay on delay.
Single scale and single voltage.

31 L48T 3S 24	0.1-3s	24VAC/DC	1	0.115
31 L48T 6S 24	0.1-6s		1	0.115
31 L48T 30S 24	0.5-30s		1	0.115
31 L48T 60S 24	0.5-60s		1	0.115
31 L48T 3M 24	1s-3min		1	0.115
31 L48T 6M 24	3s-6min		1	0.115
31 L48T 30M 24	30s-30min		1	0.115
31 L48T 60M 24	30s-60min		1	0.115
31 L48T 3H 24	3min-3h		1	0.115
31 L48T 3S 240	0.1-3s	220-240VAC	1	0.120
31 L48T 6S 240	0.1-6s		1	0.120
31 L48T 30S 240	0.5-30s		1	0.120
31 L48T 60S 240	0.5-60s		1	0.120
31 L48T 3M 240	1s-3min		1	0.120
31 L48T 6M 240	3s-6min		1	0.120
31 L48T 30M 240	30s-30min		1	0.120
31 L48T 60M 240	30s-60min		1	0.120
31 L48T 3H 240	3min-3h		1	0.120

Time relay on delay.
Multiscale and multivoltage.

31 L48TP S 240	0.3-780s	24VAC/DC 110VAC	1	0.124
31 L48TP M 240	18s-780min	220-240VAC	1	0.124

Time relay on delay.
Multiscale and single voltage.

31 L48TPB M24	0.05s-10min	24VAC/DC	1	0.124
31 L48TPB M240		220-240VAC	1	0.124

Time relay, multifunction, multivoltage and multiscale.

31 L48M M 240	0.05s-10min	24-240V	1	0.135
31 L48M H 240	0.05min-10h	AC/DC	1	0.135

General characteristics

TIME RELAY L48T

- Electronic time relay, single scale, single voltage.
- On delay, delay on make with start at relay energising
- 1 relay output with 1 changeover contact (SPDT)
- Delay time adjustable on front by rotary knob
- LED indicators for power on and relay state
- Plug-in housing with 8-pin socket, 31 S8 or 31 L48 P8
- Flush mount bracket 31 L48AP available
- IEC protection degree: IP40 on front and IP20 at terminals.

TIME RELAY L48TP

- Electronic time relay, multiscale, multivoltage.
- On delay, delay on make with start at relay energising
- 1 relay output with 1 changeover contact (SPDT)
- Delay time adjustable on front by rotary knob
- Time range selected by dip switches:
L48TP S: 0.3-3s; 1.2-12s; 10-100s; 7.8-780s
L48TP M: 18s-3min; 72s-12min; 10-100min; 78-780min
- LED indicators for power on and relay state
- Plug-in housing with 8-pin socket, 31 S8 or 31 L48 P8
- Flush mount bracket 31 L48AP available
- IEC protection degree: IP40 on front and IP20 at terminals.

Time range setting

	A B	A B	A B	A B
L48TP S	0.3-3s	1.2-12s	10-100s	7.8-780s
L48TP M	18s-3min	72s-12min	10-100min	78-780min

TIME RELAY T48TPB

- Electronic time relay, multiscale, single voltage, multifunction
- 2 relay outputs, each with 1 changeover contact (SPDT), configurable either delay on make or instantaneous
- Delay time adjustable on front by rotary knob
- Time range selected by dip switches: 0.05-1s; 0.1-10s; 0.6s-1min; 6s-10min
- LED indicators for power on and relay state
- Plug-in housing with 8-pin socket, 31 S8 or 31 L48 P8
- Flush mount bracket 31 L48AP available
- IEC protection degree: IP40 on front and IP20 at terminals.

Time range setting

	A B	A B	A B	A B
L48TPB	0.05-1s	0.1-10s	0.6s-1min	6s-10min

TIME RELAY L48M

- Electronic time relay, multiscale, multivoltage, multifunction
- Selectable functions: On delay, delay on make with start at relay energising. On delay, delay on break with start at relay de-energising. Flasher, starting with OFF interval. Flasher, starting with ON interval. Time relay resetting is possible on closing of external contact (R) connected to terminals 7-6. Possible time relay stopping storing elapsed time on closing of external contact (M) connected to terminals 7-5 and then restarting time on its opening. See diagrams on page 17-11
- 2 relay outputs, each with 1 changeover contact; both delayed (SPDT)
- Delay time adjustable on front by rotary knob
- Time range selected by dip switches:
L48M M: 0.05-1s; 0.1-10s; 0.6s-1min; 6s-10min
L48M H: 0.05-1min; 0.1-10min; 0.6min-1h; 1min-10h
- LED indicators for power on and relay state
- Plug-in housing with 11-pin socket, 31 S11 or 31 L48 P11
- Flush mount bracket 31 L48AP available
- IEC protection degree: IP40 on front and IP20 at terminals.

Time range setting

	A B	A B	A B	A B
L48M M	0.05-1s	0.1-10s	0.6s-1min	6s-10min
L48M H	0.05-1min	0.1-10min	0.6min-1h	1min-10h

Certifications and compliance

Certifications obtained: EAC; UL Recognized, for USA and Canada (cULus - File E172189) as Industrial Switches - Timer modules.
Compliant with standards: IEC/EN 61812-1, UL508, CSA C22.2 n° 14.

Operational diagram

See page 17-10 and 17-11.

Accessories for 48x48mm time relay



31 S8



31 S11

Order code	Description	Qty per pkg	Wt
		n°	[kg]
31 S8	8-pin socket for screw fixing or on 35mm DIN rail (IEC/EN 60715). Screw terminals	10	0.061
31 L48 P8	8-pin loose socket. Screw terminals	10	0.040
31 S11	11-pin socket for screw fixing or on 35mm DIN rail (IEC/EN 60715). Screw terminals	10	0.064
31 L48 P11	11-pin loose socket. Screw terminals	10	0.048
31 L48AP	Flush mount bracket	10	0.012

N.B. Max. conductor section for sockets: 2x2.5mm²/2x14AWG.
Tightening torque: 0.8Nm/7.1lbin.