**ENERGY AND AUTOMATION** 

# TIME RELAY ON DELAY. MULTISCALE AND SINGLE VOLTAGE, PLUG-IN AND FLUSH-MOUNT VERSION 48X48MM, 24VAC/DC



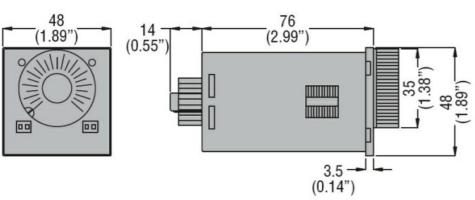
			WALLEY W.
Product designation			Time relay
Product type designation			L48TPB
General characteristics			E TOTT B
Control and action and			On delay time
			relay, multiscale
Description			and multivoltage,
			plug-in version
Function			On delay
Supply circuit			
Rated auxiliary supply voltage Us			24VAC/DC
Rated frequency		Hz	50/60
Operating voltage range			0.851.1 Us
Maximum power consumption / dissipation		W	6VA
Immunity time for microbreakings		ms	≤40
Timing circuit			
Time setting range			0.05s10min
Setting accuracy		%	±5
Repeat accuracy		%	±0.5
Influence of voltage variation		%	±0.5
Resetting time			
	During timing	ms	≥100
	Elapsed time	ms	≥65
Relay outputs			
·			
Number of relays		Nr.	2
Number of relays		Nr.	
·		Nr.	2 delayed C/O or 1 instananeous
Number of relays  Contact arrangement		Nr.	2 delayed C/O or 1 instananeous C/O + 1 delayed
Contact arrangement			2 delayed C/O or 1 instananeous C/O + 1 delayed C/O
Contact arrangement  Maximum switching voltage		Nr.	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250
Contact arrangement			2 delayed C/O or 1 instananeous C/O + 1 delayed C/O
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation		VAC	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith		VAC	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui		VAC A	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300
Contact arrangement  Maximum switching voltage  IEC Conventional free air thermal current Ith  UL/CSA and IEC/EN 60947-5-1 designation  Insulation (input-output)  Rated insulation voltage Ui  Power frequency withstand voltage		VAC A	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui Power frequency withstand voltage Operations		VAC A V kV	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui Power frequency withstand voltage Operations Mechanical life		VAC A	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2
Contact arrangement  Maximum switching voltage  IEC Conventional free air thermal current Ith  UL/CSA and IEC/EN 60947-5-1 designation  Insulation (input-output)  Rated insulation voltage Ui  Power frequency withstand voltage  Operations  Mechanical life  Electrical life (with rated load)		VAC A V kV	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300
Contact arrangement  Maximum switching voltage  IEC Conventional free air thermal current Ith  UL/CSA and IEC/EN 60947-5-1 designation  Insulation (input-output)  Rated insulation voltage Ui  Power frequency withstand voltage  Operations  Mechanical life  Electrical life (with rated load)  Ambient conditions		VAC A V kV	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui Power frequency withstand voltage Operations Mechanical life Electrical life (with rated load) Ambient conditions Temperature		VAC A V kV	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2
Contact arrangement  Maximum switching voltage  IEC Conventional free air thermal current Ith  UL/CSA and IEC/EN 60947-5-1 designation  Insulation (input-output)  Rated insulation voltage Ui  Power frequency withstand voltage  Operations  Mechanical life  Electrical life (with rated load)  Ambient conditions		VAC A V kV cycles	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2 30000000 100000
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui Power frequency withstand voltage Operations Mechanical life Electrical life (with rated load) Ambient conditions Temperature	min	VAC A V kV cycles cycles	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2 30000000 100000
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui Power frequency withstand voltage Operations Mechanical life Electrical life (with rated load) Ambient conditions Temperature  Operating temperature	min	VAC A V kV cycles	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2 30000000 100000
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui Power frequency withstand voltage Operations Mechanical life Electrical life (with rated load) Ambient conditions Temperature	max	VAC A  V kV  cycles  cycles  °C  °C	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2 30000000 100000
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui Power frequency withstand voltage Operations Mechanical life Electrical life (with rated load) Ambient conditions Temperature  Operating temperature	max min	VAC A  V kV  cycles cycles  °C °C °C	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2 30000000 100000
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui Power frequency withstand voltage Operations Mechanical life Electrical life (with rated load) Ambient conditions Temperature  Operating temperature  Storage temperature	max	VAC A  V kV  cycles  cycles  °C  °C	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2 30000000 100000
Contact arrangement  Maximum switching voltage IEC Conventional free air thermal current Ith UL/CSA and IEC/EN 60947-5-1 designation Insulation (input-output) Rated insulation voltage Ui Power frequency withstand voltage Operations Mechanical life Electrical life (with rated load) Ambient conditions Temperature  Operating temperature	max min	VAC A  V kV  cycles cycles  °C °C °C	2 delayed C/O or 1 instananeous C/O + 1 delayed C/O 250 5 B300 250 2 30000000 100000

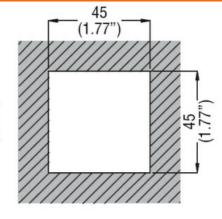


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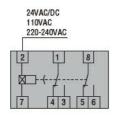
Material		Self-extinguishing polyamide
Mounting		Plug-in housing with 8-pin socket
Degree of protection		IP40 on front, IP20 terminals
Dimensions (W x H x D)	mm	48 x 48 x 90
Weight	g	124

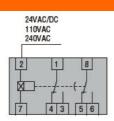
#### Dimensions [mm (in)]





#### Wiring diagrams





### Certifications and compliance

Compliance

CSA C22.2 n°14 IEC/EN 61812-1

UL508

Certificates

cURus

EAC

## ETIM classification

**ETIM 8.0** 

31L48TPBM24

EC001439 -Timer relay