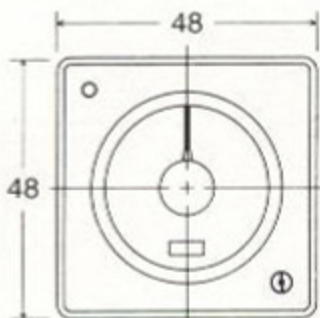
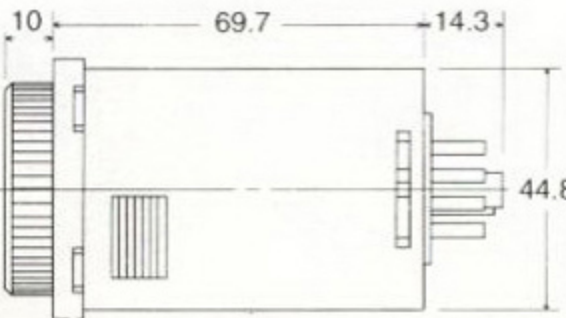
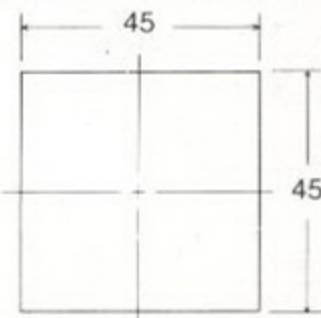
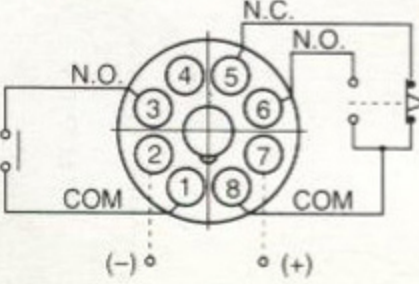
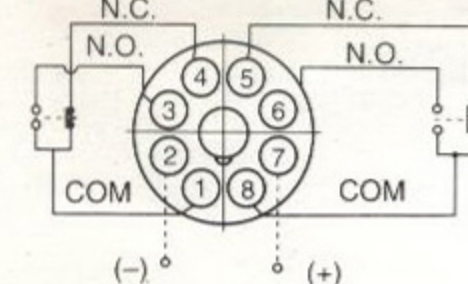
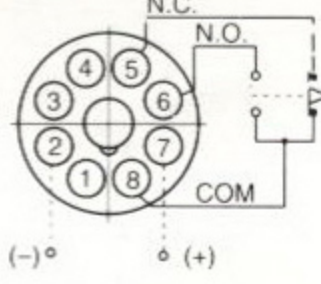
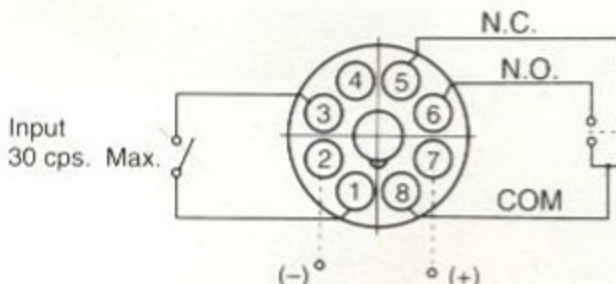


Classification	DIN 48 Timer	DIN 48, Multi-Range Timer	Miniature, Economical Timer		Flick Relay
Model No.	TM48	TM48S	VH3A-N	VH3A-Y	VH3A-NF
Appearance					
Contact Type	A, B, C	A, B, C	A, B, C	A, B, C	C
Timing Range	SEC. MIN. HOR. 0~3 0~3 0~3 0~6 0~6 0~6 0~12 0~12 0~12 0~30 0~30 0~24 0~60 0~60	Range Selectable Ranges <1>: 1S/10S/1M/10M <2>: 3S/30S/3M/30M <3>: 6S/60S/6M/60M <4>: 1M/10M/1H/10H <5>: 3M/30M/3H/30H <6>: 6M/60M/6H/60H	SEC. MIN. HOR. 0~3 0~3 0~3 0~6 0~6 0~6 0~12 0~12 0~12 0~30 0~30 0~24 0~60 0~60		0~3SEC. ON-OFF Equal repetitive Operation
Voltage	DC(V): 12,24 AC(V): 12,24,110,220,240, 380,415 50/60Hz 85%~110% of Rated Voltage	24~240V AC/DC 85%~110% of Rated Voltage	DC(V): 12, 24 AC(V): 12,24,110,220,240,380,415 Hz: 50/60 85%~110% of Rated Voltage		DC(V): 12, 24 AC(V): 12, 24, 110, 220, Hz: 50/60 85%~110% of Rated Volt
Socket Type	P3G-08, US-08, P2CF-08		PF-085A	US-08	PF-085A
Control Method	Time-Limit Operation, Self-Resetting		Time-Limit Operation, Self Resetting		ON-OFF Repeat
Repeat Accuracy	± 1% of Full Scale	± 1% of Full Scale	± 1% of Full Scale	± 1% of Full Scale	± 2% of Full Scale
Effect of Volt.	± 1%	± 1%	± 1%	± 1%	± 1.5%
Resetting Time	0.1Sec. Max.	0.1Sec. Max.	0.1Sec. Max.	0.1Sec. Max.	0.1Sec. Max
Consumption	Approx 2VA	Approx 2VA	Approx 2VA	Approx 2VA	Approx 2VA
Weight	Approx 180g	Approx 180g	Approx 160g	Approx 165g	Approx 180g
Setting Error	± 1.0%				
Effect of Temp.	± 2% (Allow Able Temp. 20°C)				
Ambient Temp.	-10°C~50°C				
Ambient Humidity	45~85%RH				
Dielectric	AC2000V One Min.				
Insulation	50M Min. (at 500VAC)				
Shock	Approx 10G.				
Life	Electrical: 100,000 Operations, Mechanical: 5,000,000 Operations				

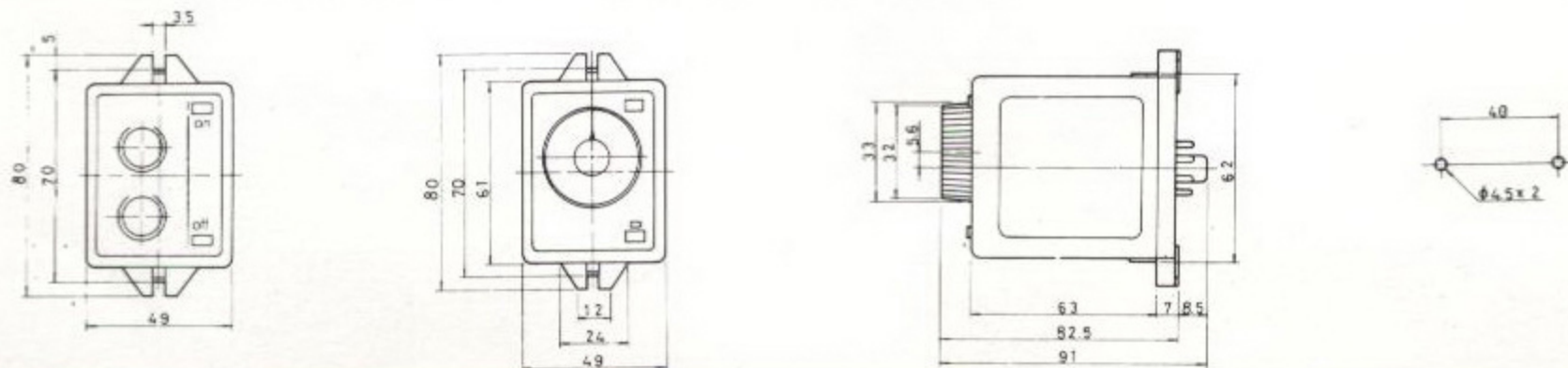
Dimension of Model TM48, TM48S, TD48, TD48S				Unit: mm	Dimension
  					
Contact Type.	Rating: 3A250VAC Resistive Load				Dimension
Type A. (1a Inst.)	Type B.	Type C.	Type D.		
 Rated operating voltage	 Rated operating voltage	 Rated operating voltage	 Rated operating voltage		

When Ordering Please Specify: Model No. + Contact Type + Time Range + Voltage

Classification	DIN 48 Timer	Multi-Range	Surface Mounting	Flush Mounting
Model No.	TD48	TD48S	RH3D-N	RH3D-Y
Appearance				
Contact Type	A, B, C	A, B	B	B
Timing Range	0~99.99Sec. 0~999.9Sec. 0~9999Sec. 0~999.9Min. 0~9999Min. 0~99H59Min. 0~99.59Min. 0~99.59H	Selectable Range 999.9S, 9999S, 999.9M, 9999M	99.9Sec. 999 Sec. 99.9Min. 999 Min.	99.9Sec. 999 Sec. 99.9Min. 999 Min.
Voltage	24 to 240V AC/DC 85%~110% of Rated Voltage		DC(V): 12, 24 AC(V): 12, 24, 110, 220, 240, 380, 415 Hz: 50/60 85%~110% of Rated Voltage	
Socket Type	P3G-08, US-08, P2CF-08		8PFA	US-08
Control Method	Time-Limit Operation, Self-Resetting			
Repeat Accuracy	± 0.05 Max.	± 0.05 Max.	± 0.05 Max.	± 0.05 Max.
Effect of Volt.	± 0.05Sec. Max.	± 0.05Sec. Max.	± 0.05Sec. Max.	± 0.05Sec. Max.
Reseting Time	0.1Sec. Max.	0.1Sec. Max.	0.1Sec. Max.	0.1Sec. Max.
Consumption	Approx 2VA	Approx 2VA	Approx 3VA	Approx 3VA
Weight	Approx 180g	Approx 180g	Approx 230g	Approx 230g
Setting Error	± 0.05% Max.			
Effect of Temp.	± 2% (Allow Able Temp 20°C)			
Ambient Temp.	-10°C~50°C			
Ambient Humidity	45~85%RH			
Dielectric	AC2000V One Min.			
Insulation	50M Min. (at 500VAC)			
Shock	Approx 10G.			
Life	Electrical: 100,000 Operations, Mechanical: 5,000,000 Operations			

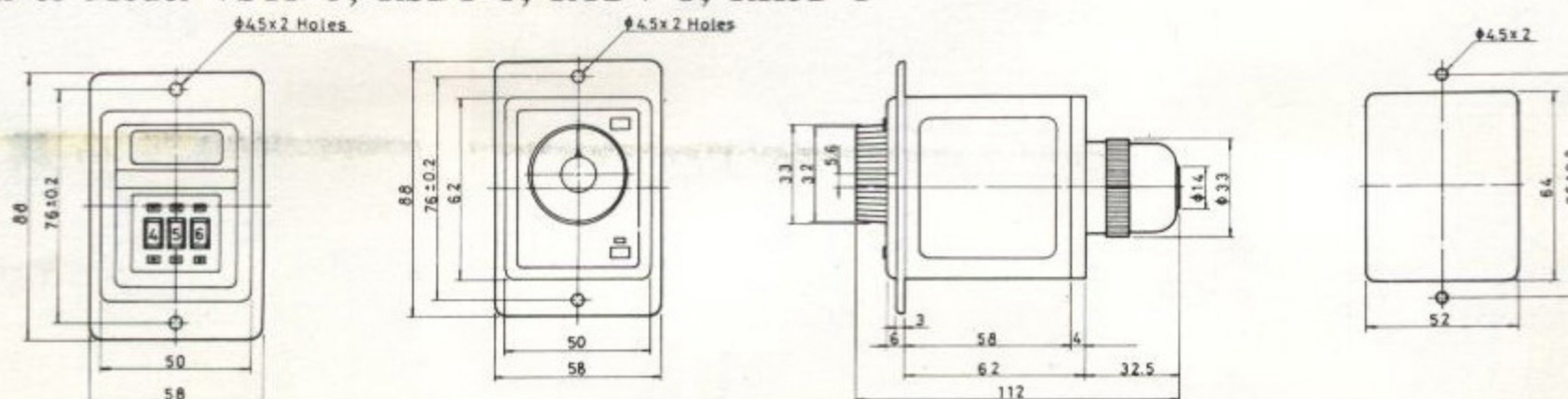
Dimension of Model VSTP-N, RSDT-N, RTDV-N, RH3D-N

Unit: mm



Dimension of Model VSTP-Y, RSDT-Y, RTDV-Y, RH3D-Y

Unit: mm



When Ordering Please Specify: Model No. + Contact Type + Time Range + Voltage