

DT DTMSMA1/-16 / DTMSMA2 Programmable Asymmetrical Timer

- ▶ 10 TIME SELECTABLE
- ▶ TIME RANGE 0.2s - 20h
- ▶ UNIVERSAL SUPPLY 24-75V \sim /24-240V \sim
- ▶ OUTPUT 1 or 2 RELAY 1 POLE CHANGEOVER CONTACT
- ▶ COMPACT SIZE - 1 MODULE - 17.5mm
- ▶ DIN RAIL MOUNTING EN50.022
- ▶ SELF-EXTINGUISHED MATERIAL UL94 V0



■ TYPICAL APPLICATION: AUTOMATION CONTROL

EU Directives - CE Marking:

- > 2014/30/UE - EMC
- > 2014/35/UE - LVD

TECHNICAL DATA

INPUT	UNIT	DTMSMA1	DTMSMA1-16	DTMSMA2
Supply voltage DC $\pm 10\%$	V \sim	24 - 75		24 - 60
Supply voltage AC $\pm 10\%$	V \sim	24 - 240		24-48/110-240
Nominal Frequency	Hz	50 - 60 (range: 47 - 63)		
Power consumption (max. AC)	VA	12		
Supply indication (U)	-	Green LED		
Power Reset	ms	200		

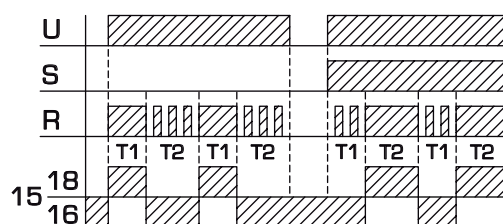
OUTPUT RELAY

OUTPUT RELAY		DTMSMA1	DTMSMA1-16	DTMSMA2
Rating	-	1 x 8A SPDT 250V \sim /24V \sim	1 x 16A SPDT 250V \sim /24V \sim	2 x 8A SPDT 250V \sim /24V \sim
Max switching power	VA	2000	4000	2000
Max switching voltage	V \sim	400	440	400
Min switching load	-	10mA 12V \sim	40mA 24V \sim	10mA 12V \sim
Contact life	Mech.	30 x 10 ³ ops	20 x 10 ³ ops	30 x 10 ³ ops
	Electr.	100 x 10 ³ ops	30 x 10 ³ ops	100 x 10 ³ ops
Changeover contacts	-	AgNiO.15	Ag-alloy	AgNiO.15
Output Indication (R)	-	Red LED		

GENERAL

Time Range rotary switch (T)	-	0.2s - 20h		
Time Deviation	%	5		
Repeat Accuracy	%	0.2 Set value		
Rise time	ms	150		
Working temperature	$^{\circ}$ C	-20 / +50		
Storage temperature	$^{\circ}$ C	-30 / +70		
Electrical Insulation	kV	4		
Overvoltage Category	-	III		
Protection degree	IP	20		
Pollution degree	-	2		
Climatic category according to (without condensation)	-	IEC 60068-1 (20/050/60) DIN 40040 (class D)		
Altitude up to	m	2000		
Weight	g	65		
Dimensions	mm	98 x 17.5 x 64		

FUNCTIONS 1 RELAY



FUNCTIONS 2 RELAY

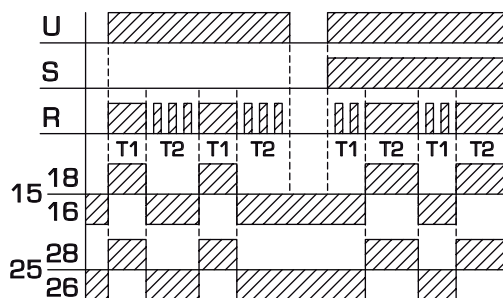
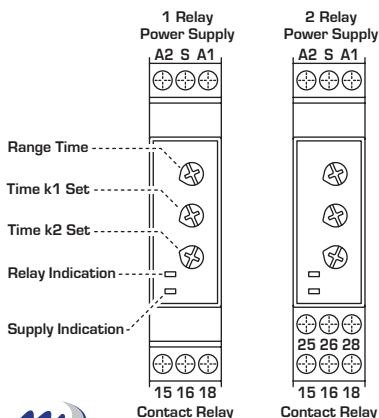


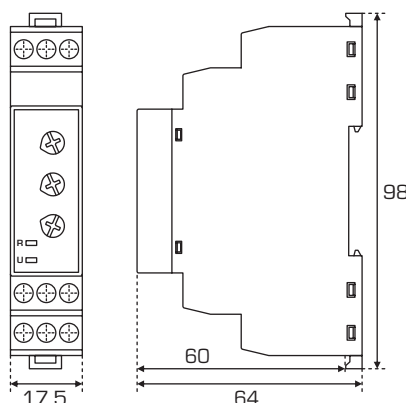
TABLE TIME RANGE SET

Range	T1 Max	T2 Max	Adj T1	Adj T2
A	2s	2s	k1 x2s	k2 x2s
B	10s	10s	k1 x10s	k2 x10s
C	60s	60s	k1 x60s	k2 x60s
D	10m	60s	k1 x10m	k2 x60s
E	60m	60s	k1 x60m	k2 x60s
F	10m	10m	k1 x10m	k2 x10m
G	60m	60m	k1 x60m	k2 x60m
H	10h	60m	k1 x10h	k2 x60m
I	10h	10h	k1 x10h	k2 x10h
J	20h	20h	k1 x20h	k2 x20h

DESCRIPTION



DIMENSIONS (mm)



WIRING DIAGRAM

