



Product Overview

The AX-DT-V0DD range of Digital timers have either 1 x SPDT or 2 x DPST contacts and either 8 or 17 functions and are designed for 24 to 240Vac/dc supply. The units have a slim profile and are designed for DIN rail mounting

Features

- Compact 17.5mm width
- Multi-Voltage 24 to 240Vac/dc
- Multi-functional (8 or 17 functions)
- 3 digit LCD for preset time and run time
- Option to select up/down counting
- Tamperproof with keylock function

Order Codes

AX-DT-V0DDTS -Digital Timer 24 to 240Vac/dc 1 x C/O 8 functions AX-DT-V0DDTD -Digital Timer 24 to 240Vac/dc 2 x NO 8 functions AX-DT-V0DDTS1 -Digital Timer 24 to 240Vac/dc 1 x C/O 17 functions AX-DT-V0DDTD1 -Digital Timer 24 to 240Vac/dc 2 x NO 17 functions

Product Specification

24 to 240 Vac/dc -15 to + 10%**Power Supply:** 50/60Hz

10VA **Power Consumption:**

Timing Ranges: 0.1sec to 999hrs

Repeat Accuracy: +/- 0.5% of selected range

Relay Output: V0DDTS & V0DDTS1 1 x C/O SPDT

V0DDTD & V0DDTD1 2 x NO DPST

Switching Contacts Functions: V0DDTS & V0DDTD

V0DDTS1 & V0DDTD1

17 LCD Display: 3 digit LCD

LED Indication: Red LED relay ON **Protection:** IP30 enclosure IP20 terminals

Mounting: DIN

17.5 x 89 x 76 mm **Dimensions:**

Weight: 85 gms

Terminals: Terminals for 0.5 to 2.5mm2 cable

Ambient Range: -10 to +55°C 10 to 93% RH non condensing

CE, UL **Approvals:**

CISPR 14-1 Class B, IEC 61000-4-2 level 11, IEC 61000-4-4 level 1V EMC:

8A@240Vac resistive

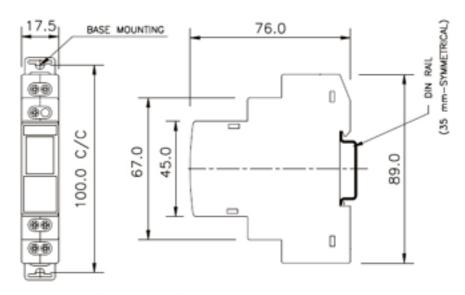
IEC 61000-4-5 level 11V, IEC 61000-4-11, IEC 68-2-6

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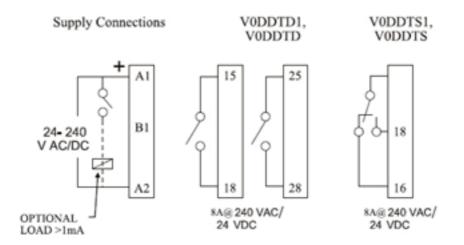
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MOUNTING DIMENSION (mm)



CONNECTION DIAGRAM



TERMINAL TORQUE & CAPACITY

Ø3.5 mm	Torque 0.54 N.m (5 Lb. in) Terminal Screw M2.5
	1 x 0.2 - 2.5 mm ² Solid Wire / single wire ferrule
	2 x 0.2 - 0.5 mm ² Insulated with twin ferrule
AWG	1 x 22 to 14

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Digital Timer



FUNCTIONAL DIAGRAMS FOR VODDTS & VODDTD				
	F : Al-Al F) Power-On operation			
ON DELAY (A)	S : R1			
CYCLIC OFF/ON (OFF Start, (Sym, Asym)) (b)	TOPF TON TOPF TON			
CYCLIC ON/OFF (ON Start, (Sym, Asym)) (C)	TON TON TON TON			
SIGNAL ON OFF(4)	S : 81			
SIGNAL OFF DELAY(E)	K1 4-1-8			
INTERVAL(F)	S: H			
SIGNAL OFF / ON(G)	5 : N			
ONE SHOT OUTPUT (H)	s : = = = = = = = = = = = = = = = = = =			
Note: 1. For Power-On operation (P) connect the terminal B1 to A1 permanently. 2. If the Signal (S) changes during the Timer Duration (T), it does not change the output relay but re-triggering takes passes and the Timer Duration is extended.				

FUNCTIONAL DIAGRAMS FOR V0DDTS1 & V0DDTD1					
ON DELAY [0]	R PZZ	SIGNAL OFF DELAY [9]	BI FT FT		
Timing commons is when registy to present, it consists on all of the timing period.		Permissent rapply is expeired. If exercises when revisib Bi is closed. Yiering exerciseous after 3 in specred and then the only diversingless.			
CYCLIC OFFON (OFF Start, (Sym. Asym)) [1]	R TOFF TOFF TON	DIPULSE ONOFF [A]	BI COO TO		
TAON and TABLY can be same or different. It till persor in reserved.	to ratio (R) keeps on changing its status	Personnel supply is required. If energies cheed. When timing constructor, changing	s for the timing period when \$1 is special or getate of \$6 does not office it but conto times.		
CYCLIC ONOFF [ON start, (Sym, Avym)] [2]	TON TON TOFF	SIGNAL OFFICE [5]	BI FORMAL EN		
This function is quite similar to the function $^{\prime}\Gamma$ but initially the school R is RN for period T RN other the power is applied.		When minds BL is closed an equand for principline X_i the only charges in state after time duration X_i			
IMPELSE ON ENERGIZING DI	R T	LEADING EDGE DIPULSEI [C]	R T T T		
After power GN, E complex and timing stars. Educatoryless after timing is exact.		A permission supply is model, When B1 is closed, suspet edge consisten smill stoking interpretation of any further action of B1.			
ACCUMULATIVE BELAY ON SIGNAL [4]	B1	LEADING EDGE DIPULSE2 d	BI POTTO PO		
Time commences accomply is prevent and orbits III is upon, Challeg critick III passes tholog. Training common when with III is spoored again. It consists at the end of timing.		Pursussest upply is required, when reliefs R1 is obsect, and exemples closed entgot order energian well finding is over R181 in spoond-shring timing. K exects.			
ACCUMULATIVE DELAY ON INVERTED SIGNAL [5]	BI P.	TRAILING EDGE DIPULSEL [E]	BI COOP FOR FOR		
Time commones as supply is present and swit- timing. Timing resumes when weitch 30 is clos-	ch BI is closed. Opening switch BI yamen of again. It emergion at end of timing.	Permanent supply required, when Ri is opened, R energies and do-energies when timing is over, Will is these during timing R resers.			
ACCUMULATIVE IMPULSE ON SIGNAL [6]	BI Ti-li-G I	TRAILING EDGE DIPULSE2 [F]	R 777 777 777		
When supply is ON, R correlates. When weight B1 is closed during is responded and consists expanded till switch B1 is epocal again, between playing supply resets times.		Personnel rapply is required. When owit when finding is even if H4 is pulsed during	th III is operard, it enception and will do-enceptor timing period it will have no officet on it.		
SIGNAL ON DELAY [7]	BI POOR	DELAYED IMPULSE [G]	BI TON R TOFF		
Permanent supply required. Timing starts of and of timing partial and do-energies whos I	us reitch Bit is closed. It exempless at It is spoosed.	when switch Bit included, TOFF starts, It TOPs starts incorporative of signal level as	bries energies at the end of 1994's period. Then, of relay de energies at the end of 1995 period.		
INVERTED SIGNAL ON DELAY [8]	R T				
Timing will community when requiry in present and evitab BL in squar. It completes other tening IF BE in critered during dentity period, caning muses to the longituding of cycle.					

Every effort has been taken in the production of this data sheet to ensure it's accuracy. Axio can not, however, accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.