AEG
NVE 100

Daily / Weekly Time Switch:

Features :

- Simple Reset feature.
- Precise time programming for Daily / Weekly switching.
- Weekend programming.
- Red LED for relay ON Indication.
- 8 On / Off operations , 16 memory locations.
- 24 Hr display (Military) or AM / PM
- Manual Override.

Modes :

- Auto : Program Run.
- Auto ON : Instant ON Up to next ON program.
- Auto OFF : Instant OFF Up to next OFF program.
- ON : Continuous ON (Irrespective of Program & useful for manual override).
- OFF : Continuous OFF (Irrespective of Program & useful for manual override).

Note : In case of Power failure, the running reserve feature will maintain the time of day and program for approx. 1500 hrs. A rechargeable battery is used for this purpose which has a charging time of 24 hrs.
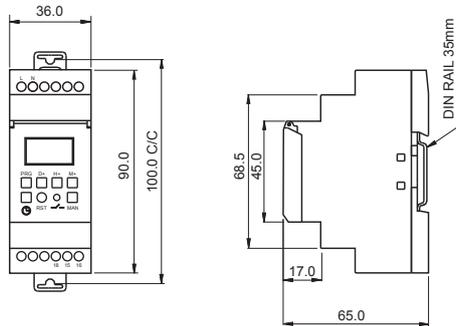
INPUT SPECIFICATIONS

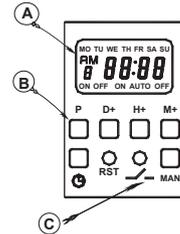|	
Operating Voltage	240V AC, +10% / -20% (62DDT0/62DDT9) 110V AC, +10% / -20% (61DDT0/61DDT9)
Supply Frequency	50 / 60 Hz
Power consumption	~6 VA
Operating Temperature	0°C to +55 C
Clock accuracy	+/- 2 Sec./day at 20°C
Switching contact	1 C/o (SPDT)
Power reserve	1500 Hrs
Shortest Switching Time	1Min.(For Crono)
Contact rating :	
- Resistive	16A@250V AC, 28V DC
- $\emptyset$Inductive(cos = 0.6)	6A@250V AC
- Incandescent Lamp	1000 W
Protection	IP 20
Mounting	DIN Rail / Base
Weight	120 gms (unpacked)

EMI / EMC : Radio Interference Suppression EN 55011 (limit-value Class B)
Fast Transients EN 61000-4-4 level - IV
Surges EN 61000-4-5 level - IV
Electrostatic discharge EN 61000-4-2 level - III
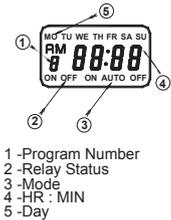
OVERALL DIMENSIONS
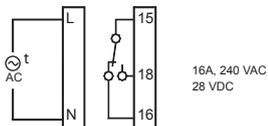
Base / Din Rail Mounting

CONNECTION DIAGRAM

CONNECTIONS

16A, 240 VAC
28 VDC

t 240 VAC for 62DDT0 / 62DDT9

t 110 VAC for 61DDT0 / 61DDT9

FRONT DISPLAY

Legend :

A - LC display
B - Keypad
C - Relay 'ON' LED Indication.

1 -Program Number
2 -Relay Status
3 -Mode
4 -HR : MIN
5 -Day

KEYS

Daily/Weekly Time Switch:

- PRG ñ Programming Key
- 🕐 ñ Time Set Key
- D+ ñ Day Increment Key
- H+ ñ Hour Increment Key
- M+ ñ Minute Increment Key
- MAN ñ Manual Override Key
- RST ñ Reset Key

DAYTIME SET

Day Increment Key

🖑 + D+ | MO/TU/WE/TH/FR/SA/SU

Hour Increment Key

🖑 + H+ | 00 - 23 - in 24 Hour Mode

| 00 - 12 - in 12 Hour Mode

Minute Increment Key

🖑 + M+ | 00 - 59

12 / 24 Hour Clock Mode Selection

🖑 + MAN | AM / PM IN 12 Hour Clock Mode

Installation : Only a skilled electrician should perform installation.

Caution : Inductive loads should be equipped with interference suppressors like Varistors, RC Snubbers. Use of contactors is recommended if load exceeds its given limit.

At output : Terminals (15, 16, 18) usage of proper lugs (2.5mm^2) is recommended.

PROGRAMMING MODE

🖑 PRG Press PRG to enter Programming Mode
The first ON/OFF program is displayed on the screen.

Screen 1 | MO TU WE TH FR SA SU | ON1 -- : --

🖑 D+ Press D+ for selecting the any of the four following combinations OR any Single Day.

1) MO TU WE TH FR SA SU
2) MO TU WE TH FR SA
3) MO TU WE TH FR
4) SA SU
5) MO / TU / WE / TH / FR / SA / SU

🖑 H+ Press H+ for incrementing Hours from 00-23 In 24 Hour Mode / 00-12 In 12 Hour Mode

DAILY / WEEKLY TIME SWITCH

🖑 M+ Press M+ for incrementing Minutes from 00 -59. Press PRG again to save current program and move to the next program.

In all 8 ON/OFF programs can be used.

Example :

Screen 1 | MO TU WE TH FR SA SU | ON1 8 : 30

Screen 2 | MO TU WE TH FR SA SU | 1 OFF 13 : 00

DELETION OFSINGLE PROGRAM

To delete single program go to that respective program and press H+ & M+ untill ñ ñ : ñ ñ comes.

To delete all programs press Reset key. This will also reset your clock.

MODE SELECTION

🖑 MAN Press MAN key for MODE selection

Daily / Weekly Time Switch:

AUTO	Program Run
ON AUTO	Instant ON (Up to next ON program)
AUTO OFF	Instant OFF (Up to next OFF program)
ON	Continuous ON (Irrespective of Program)
OFF	Continuous OFF (Irrespective of Program)

Note : 1. In Programming Mode, you can Press time set key 🕑 to save current program/modification and also to exit from the program.
2. In battery back-up period, LCD is kept off to save power. On any key press, it will lite for 15 sec.
3. While you are editing the program if no key is pressed until 15 second, that control will be back to the clock mode without saving the modification.