7- Day Digital Geyser Timer (internal Relay)
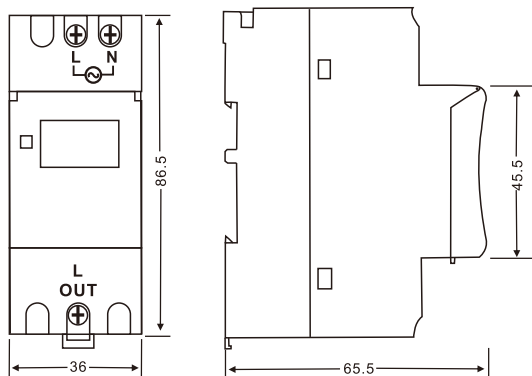## TDDGT

HellermannTyton

- DIN RAIL Mounted, Dual Mount Din and Samite.
- Digital electronic general purpose time switch with daily or weekly programs and count down timer function
- Repeat programs with 20 ON/OFF timer programs, 40 times pulse programs, and ON/OFF switching.
- Battery indication on LCD when power is off
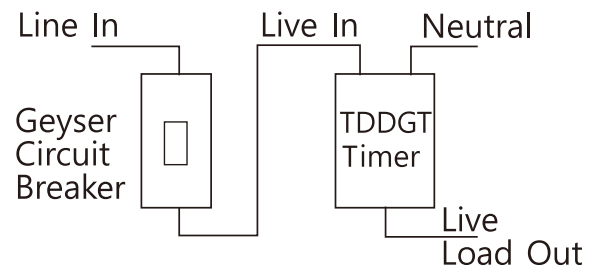- Auto time error correction function

TECHNICAL DATA

- Rated voltage: 220V AC (50-60HZ)
- Voltage input range: 200-240VAC
- Hysteresis: ≤2 Sec/Day(25℃)
- Programs: 20 ON & 20 OFF, 40 times pulse
- Power consumption: 7.5VA(Max)
- Display: LCD
- Service Life: Mechanical 10^7 opeations
- Electrical 10^5 opeations
- Minimum interval: 1 minute
- Weight: Approx 150g

- Count down: 1 sec ﹣ 99 min 59 sec
- Pulse: 1 sec ﹣ 59 min 59 sec
- Load capacity: Resistive load:30A/250VAC
  Inductive load:15A
  Resistive load:5200W
- Power reserve: 3 years(Lithium battery)
- Ambient temperature:-10~+40℃
- Ambient humidity:35~85%RH

DIMENSIONS

CONNECTION DIAGRAMS

Line In   Live In   Neutral

Geyser Circuit Breaker

TDDGT Timer

Live Load Out

PLEASE NOTE:
There is a internal connection between the Live Input and Load Out of 220V AC

OPERATINGINSTRUCTION

1. When using this time switch for the first time, please press reset key to power up the device.
2. At first the time switch is in 24h mode. If you want change to 12h mode please press the"🕘" Key for 5 sec. The LCD will display Am/Pm.If you want revert to 24h mode, press the "🕘" key for 5 sec to return.
3. On/Off mode: Programming

Step	Key	Programming
1	Press **P**	Setting program 1 On time(Display: 1ON)
2	Press **H +/M+**	Set hours and minutes
3	Press **D +**	Select days of week that program will run Same every day, MO-FR, MO-SA, daily, then do not press this Key. SA SU, MO-WE, TH SA, MO WE FR TU TH SA. If the program should repeat
4	Press **P**	Setting program 1 Off time(Display: 1OFF)
5	Press **H +/M+**	Set hours and minutes
6	Press **D +**	If you want same set in every day, you need not press this key
7	Repeat step 1-6	Set 2-20 programs
8	Press 🕘	End

＊ Press "🕘" key to exit programming at any time

ℹ Please note
ALL electrical installations should be done by a qualified electrician.
The maximum current rating is 25 Amps.
Resistive loads(underfloor heating, lights, heaters)
Inductive loads(pool pump, heat pumps, irrigation pumps, school siren)

MADE FOR REAL⊕

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4.PULSE MODE : (" P" displays at bottom   left corner of LCD)

Step	Key	Programming
1	Press **H +&M+**	To enter pulse mode
2	Press ⏲ **&H +/M+**	Set pulse time range: 1sec.-59min 59sec
3	Press ⏲ **&MANUAL**	To confirm pulse time range
4	Press **P**	To set program 1 On time (Display: 1ON)
5	Press **H +/M+**	Set Hours & Minutes
6	Press **D+**	Select days of week: Same everyday, MO-FR,MO-SA,SA SU, MO-WE,TH-SA,MO WE FR, TU TH SA. If the program should repeat daily, then do not press this key.
7	Repeat step 4-6	Setting Pulse Programs 2-40.
8	Press ⏲	End
9	Press **H +&M+**	To exit Pulse mode

＊ Press "⏲"key to exit programming at any time

5.Count Down Mode : ("d" displays at bottom left corner of LCD)

Step	Key	Programming
1	Press **P &** ⏲	To enter Count Down mode
2	Press **P & H+/M+**	To set Count Down minutes & seconds.
3	Press **MANUAL**	Start count down time
4	Press **P**	Reset Count Down timer
5	Press **P &** ⏲	Exit

6. Pause Function:

To bypass the timing function, Press ⏲ and "**MANUAL**" for 3 seconds at the same time to set the timer in "**AUTO OFF**" mode permanently. In that mode the timer will not switch, "┏" displays at the bottom-left corner of LCD.
Press ⏲ and "**MANUAL**" to disable permanent "**AUTO OFF**" The timer will start to work normally.

7. Auto time error correction, weekly :
   ("7d"displays at bottom–left corner of LCD)

	Key	Programming
1	Press **P&MANUAL**	To enter the Menu
2	Press **D+**	Set -30sec to +30sec time correction
3	Press ⏲	To confirm & exit

8. Time setting

8. 1 Press ⏲ and press **D+** repeatedly go to the correct day of the week.

8. 2 Press ⏲ and press **H+/M+** to set the correct time.

9. All programs will operate according to the set time to display time or ess "MANUAL".
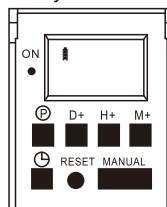10. Program Modification: press " **P**"to check whether the time is set correctly or not
                              press " **MANUAL**" and then reset the time and week
                              press "⏲ " to finish checking and setting, and the time will be display afterwards
11. Press "**MANUAL**" to turn on or off at will.
12. Press "**D+**"and"**H+**"for 3 seconds to turn off, and reset the time switch.Note: all settings will be lost.
13. Press " RESET " to restart, the time switch in factory default mode.
14. If the power fails and the timer is on battery power, you can see the battery mark on the LCD display. If the mains power is restored, the battery mark will disappear.

NOTE

- Time settings should be in sequence, an off setting should follow an on setting.
- System will quit automatically if there is no operation performed within 10 seconds, and no data is saved. It also will quit when a setting is completed.
- ON/OFF, Pulse and Countdown functions, can not be used simultaneously.

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