



DTS Universal Timer

Operating Instruction Manual



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Programming

- Hold both “minutes” and “seconds” push buttons in for 6 seconds, both LEDs will flash 3 times to confirm that the timer is now in program mode.
- Program TIMER 1 with dipswitch number 1 in the **OFF** position, push and hold the seconds, minutes or both for hours and count the LED flashes. (Every flash = 1 second, minute or hour).
- For TIMER 2, repeat the above process but with dipswitch number 1 in the **ON** position. The unit will exit program mode automatically after 12 seconds. Exiting program mode can also be done by re-powering the unit.
- To **default** the unit. Put all the dipswitches to **OFF** position, put the unit into program mode. While the unit is in program mode, switch all dipswitches to the **ON** position. Now push and hold both “seconds” and “minutes” in for 6 seconds until the LED’s flash 10 times. Allow 12 seconds for unit to exit program mode by confirmation of 3 LED flashes.

(The above default procedure should be followed should the unit not react as it should for whatever reason)

To start the timer it needs a trigger between Negative (OV) & TRG

Dipswitch selection

Dipswitch	ON	OFF	Comments
1	Level Trigger	Edge Trigger	ON - When triggered the output will activate for time set. OFF - When triggered the output will activate for time set, if the trigger received is latched the output will continue to be activated and restart timer if the timer ends.
2	Retrigger-able	Non Retrigger-able	ON - When the timer is activated and it receives a second trigger it will restart the timer from 0 OFF - Timer will not restart if it receives a second trigger while activated
3	Trigger N/O	Trigger N/C	ON - When input trigger change from open to close (normal pulse trigger) it will active the output OFF - When input trigger from close to open (When latch is deactivated) it will activate the output
4	Debounce	No Debounce	ON - Timer will not activate until input trigger is released(Delay of 1 second before activation) OFF - Timer will activate immediately when input trigger is received.
5	Delay Mode	Normal	ON - When triggered Timer 2 will be activated followed by Timer 1 OFF - Normal use.
6	Flip-Flop Mode	Normal	ON - When triggered Timer 1 will be activated followed by Timer 2 and continues the cycle until another input trigger is received. OFF - Normal use
5 & 6	One Shot Timer	Normal	ON - When triggered the output will activate and latch until another input trigger is received OFF - Normal use

Note: All states except for “Delay” and “Flip – Flop” will run on TIMER 1. Timer 1 & 2 can be stop by retriggering the unit between OV (-) & TRG. When a trigger is received between OV (-) & RST, the unit will stop any activity.

Manufacturers warranty.

- **All goods manufactured by DTS Security Products carry a 24 month factory warranty from date of invoice.**
- **All goods are warranted to be free from faulty components and manufacture.**
- **Faulty goods will be repaired or replaced at the sole discretion of DTS Security Products, free of charge.**
- **This warranty is subject to the goods being returned to the premises of DTS Security Products.**
- **This warranty excludes lightning damage, insect damage and damage caused by faulty installation.**
- **In the event of the goods being supplied by dealer, merchant, agent or duly appointed installer of DTS Security Products, the claim must be directed to that supplier.**
- **The carriage of goods is for the customer's account.**
- **This warranty is only valid if the correct installation and application of goods, as laid out in the applicable documentation accompanying said goods, is adhered to.**
- **All warranty claims must be accompanied by the original invoice.**
- **The liability of DTS Security Products and / or their distributors is limited as herein set out DTS Security Products and / or their distributors will not be liable for consequential or incident damages howsoever arising.**