

GENERAL DESCRIPTION :

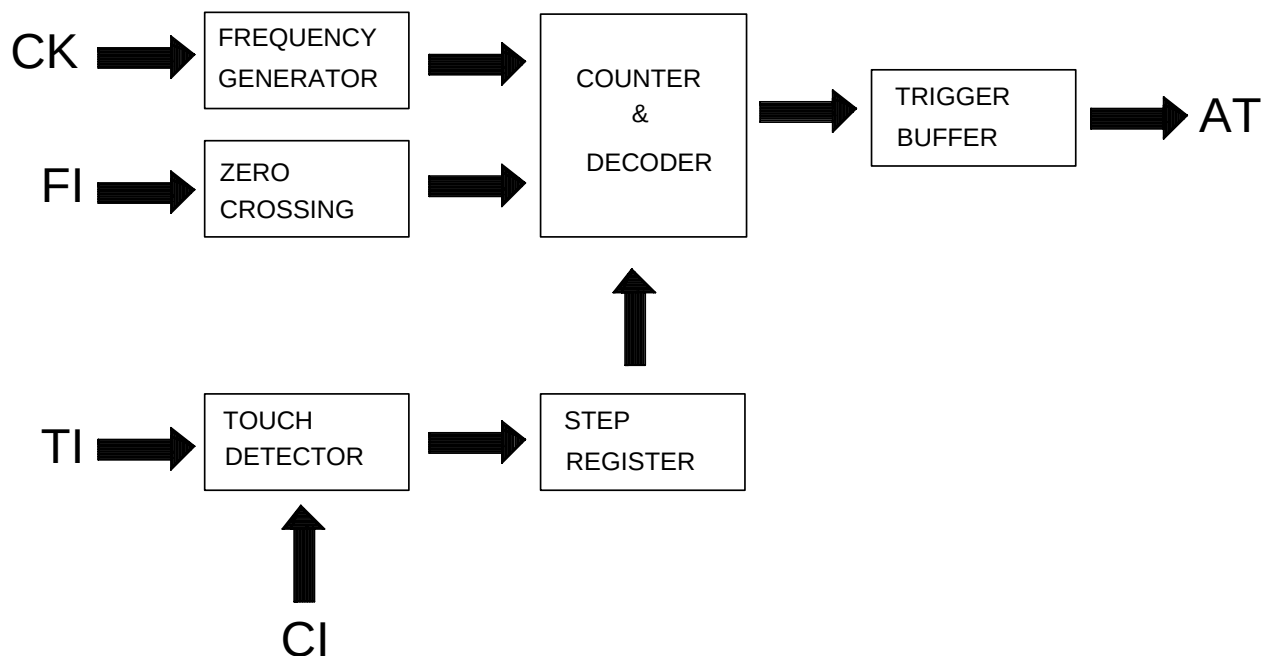
TT8486A/TT6061A IC IS A KIND OF CMOS TECHNOLOGY PERMITTED TO DESIGN 3 STEPS TOUCH-DIMMER. THE DETAILED FUNCTIONS ARE AS FOLLOW :

TT8486A/(TT6061A): OFF → NIGHT → MEDIUM → HIGH → OFF

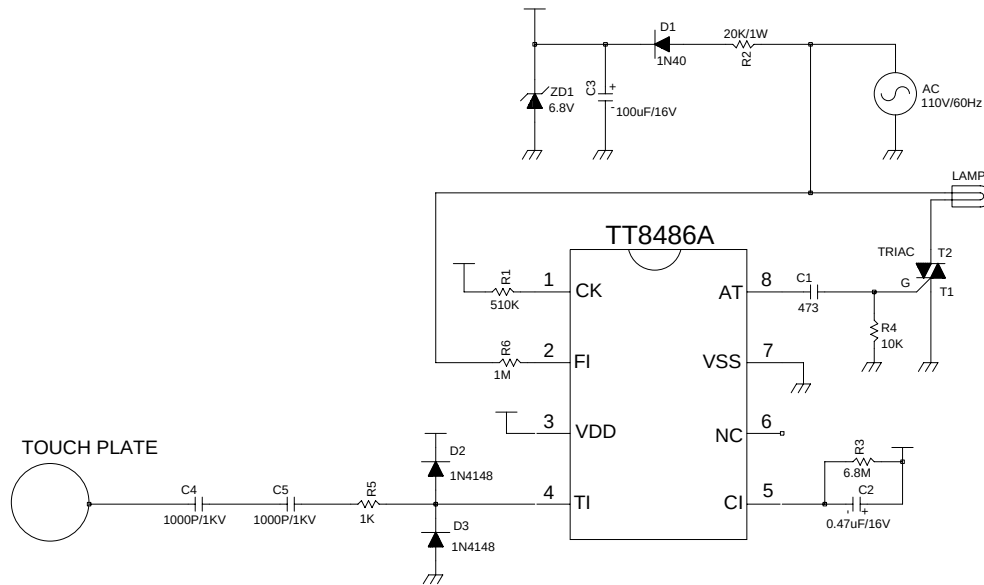
THE TIME THAT TRIAC TURN ON IS AS FOLLOWING FOR EACH STEP OF ALL FUNCTION

3-STEP MODE	NIGHT	MEDIUM	HIGH
AC=110V/60HZ	5.9 ±0.4mS	4.0 ±0.3mS	1.0 ±0.2mS
AC=220V/50HZ	6.8 ±0.4mS	4.5 ±0.3mS	0.9 ±0.2mS

TT8486A(TT6061A) BLOCK DIAGRAM



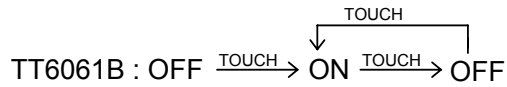
TT8486A/TT6061A RECOMMEND APPLICATION DIAGRAM



NOTE : FOR 220V/50HZ :
CHANGE R1 510K TO 620K (FOR 60HZ CHANGE TO 50HZ)
CHANGE R2 20K/1W TO 40K/2W (FOR 110V CHANGE TO 220V)
CHANGE R6 1M TO 1.5M (FOR 110V CHANGE TO 220V)

General Description

TT6061B IC is a kind of CMOS technology premitted to design ON/OFF Touch-Dimmer.
the detailed functions are as follow :



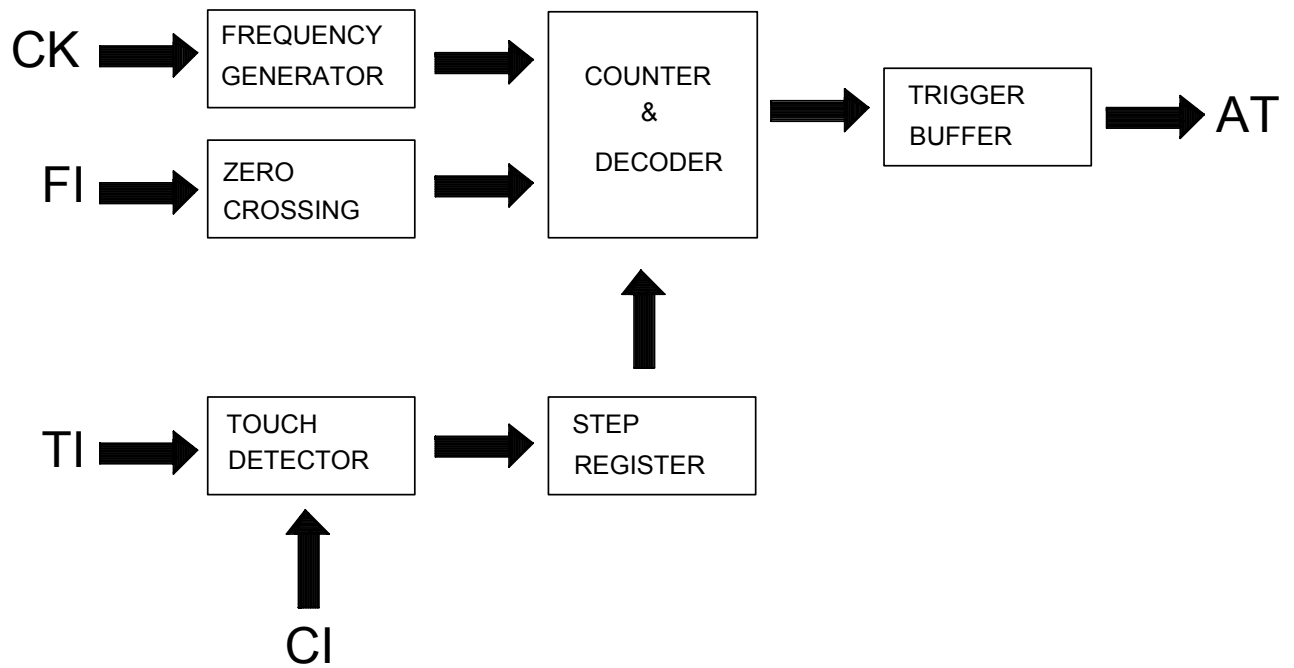
Features

1. No mechanically switch elements.
2. High sensitivity and stability for long connecting wire and heavy loading
(800pf) on sense-plate for human body capacity = 50pf
3. Very small number of peripheral components required

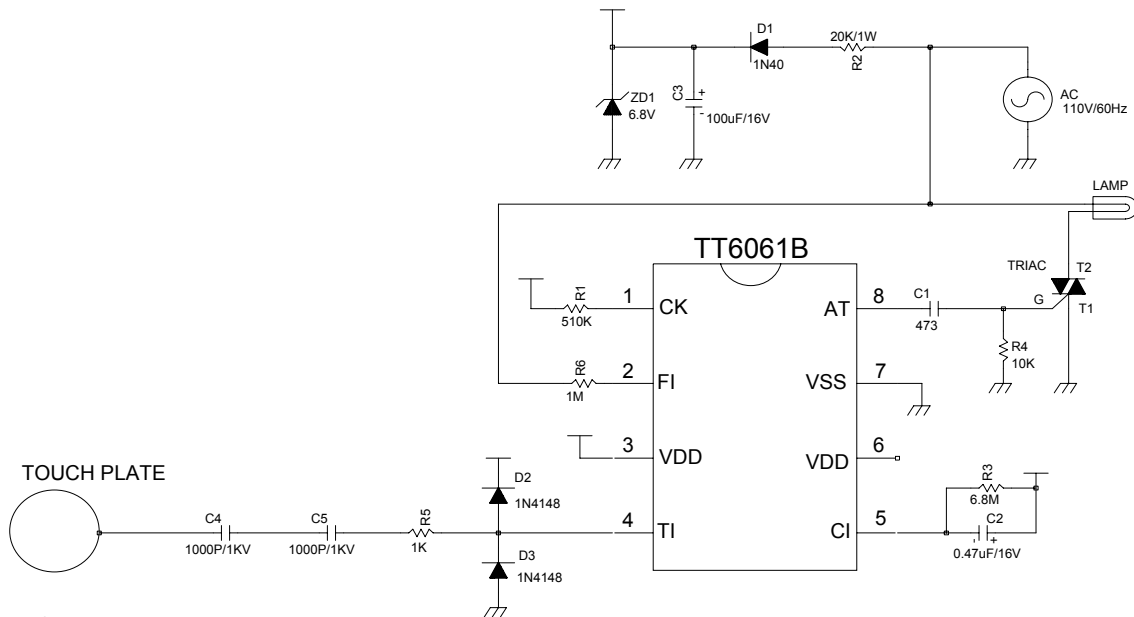
Operating parameter

1. Operating voltage : 6.8 V
2. Operating current : $\leq 1.0 \text{ mA}$
3. Trigger output current (at pin) : $\leq -30 \text{ mA}$ (vout=6.8V)
4. Input leakage : $\leq 0.5 \text{ uA}$
5. Input low voltage : $\leq VSS + 0.5V$
6. Input high voltage : $\geq VDD - 0.5V$
7. Operating temperature : $0^{\circ}\text{C} \sim 80^{\circ}\text{C}$
8. Storage temperature : $-20^{\circ}\text{C} \sim 120^{\circ}\text{C}$

TT6061B BLOCK DIAGRAM

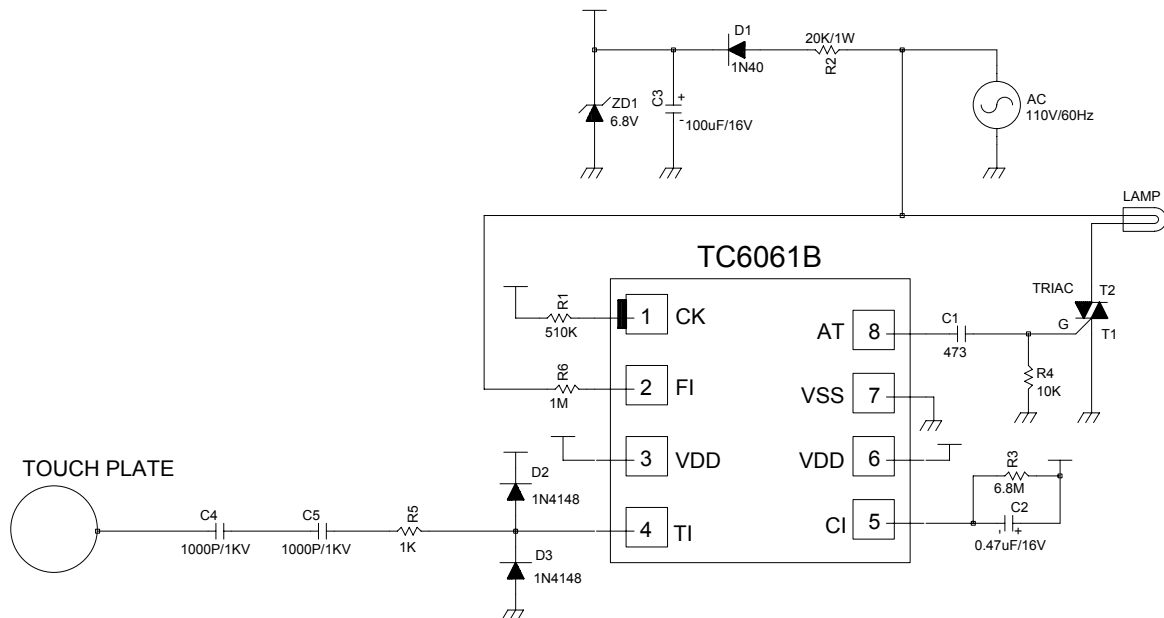


TT6061B RECOMMEND APPLICATION DIAGRAM



NOTE : FOR 220V/50HZ :
CHANGE R1 510K TO 620K (FOR 60HZ CHANGE TO 50HZ)
CHANGE R2 20K/1W TO 40K/2W (FOR 110V CHANGE TO 220V)
CHANGE R6 1M TO 1.5M (FOR 110V CHANGE TO 220V)

TC6061B RECOMMEND APPLICATION DIAGRAM



NOTE : FOR 220V/50HZ :
CHANGE R1 510K TO 620K (FOR 60HZ CHANGE TO 50HZ)
CHANGE R2 20K/1W TO 40K/2W (FOR 110V CHANGE TO 220V)
CHANGE R6 1M TO 1.5M (FOR 110V CHANGE TO 220V)