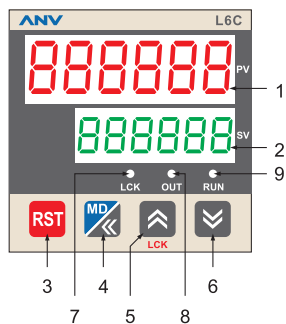


MULTI-FUNCTION DIGITAL COUNTER

MANUAL

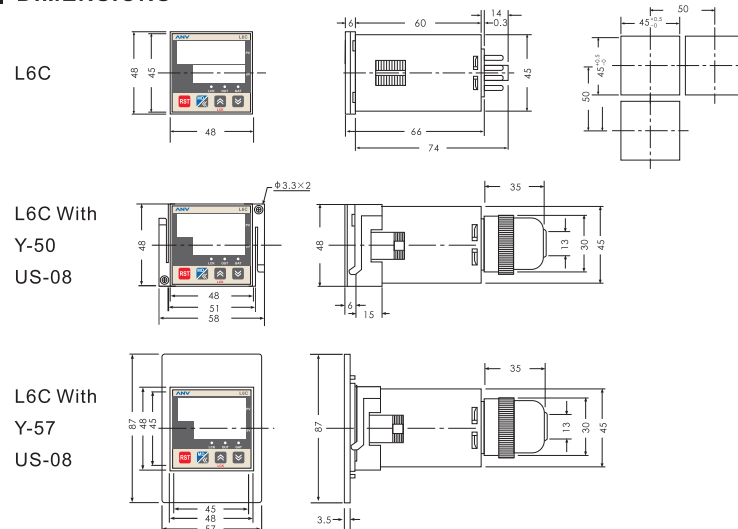
L6C

FRONT PART



SYMBOL	NAME	FUNCTION
1	PV	Present Value Display of present value
2	SV	Set Value Display of set value
3	RST	Reset Key / Set Key Reset Key : Press this key to restart Set Key : When setup is complete, press this key to save
4	MD	Mode Key / Left Key Enter the program mode & Shift left
5		Select Key / Increase Key / Lock Key Select Key: Select function Increase Key: Increase Value Lock Key : Hold this key more than 3 seconds to lock or unlock
6		Select Key / Decrease Key Select Key : Select function Decrease Key : Decrease Value
7	LCK	Lock Key Indicator Lamp Key lock indication
8	OUT	Operation Indicator Lamp Count up indication
9	GAT	Gate Indicator Lamp When the GAT light is suspended

DIMENSIONS



SPECIFICATIONS & CHARACTERISTICS

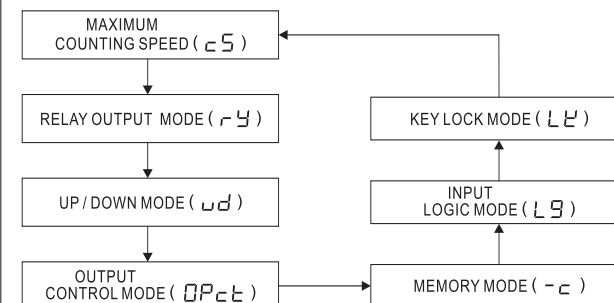
Model		L6C-X	L6C-G	L6C-P	L6C-11
CONTROL OUTPUT		Contact: 1C 1+4 Count input 1+3 Reset	Contact: 1C 1+4 Count input 1+3 Gate	Contact: 1C 1+4 Count input 1+3 12VDC 100mA	Contact: 1C 1+7 Reset 1+6 Count input 1+5 Gate 1+4 K/P 1+3 12VDC NPN
DIMENSION(mm)		48H×48W×80D			
RATED VOLTAGE		12~60VDC/AC 100~240VAC 50/60Hz			
OPERATING VOLTAGE		90 ~ 110 % of rated voltage			
COUNT RANGE		0 ~ 999999			
MOUNTING & SOCKET		Surface: P2CF-08 & P2CF-11 Flush: Y-50 & US-08 or Y-50 & P3G-08 or Y-50 & US-11			
INDICATOR OPERATING		Count up indication			
RESET METHOD		Power reset , Self-reset , External reset			
RESET TIME		0.1 sec max			
EXTERNAL RESET		○	---	---	○
EXTERNAL GATE		---	○	---	○
SELF-RESET		○	○	○	○
KEY PROTECT		---	---	---	○
MEMORY FUNCTION		○	○	○	○
12VDC OUTPUT		---	---	○	○
L I F E	MECHANICAL	5 × 10 ⁶ times			
	ELECTRICAL	10 ⁵ times			
CONSUMED POWER		Max. 3VA			
AMBIENT TEMPERATURE		-10℃~+55℃			
AMBIENT HUMIDITY		45~85%RH			
WEIGHT		Approx. 130g			

CHANGE OF SETTING VALUE

Setting without pressing any key over 10 seconds will automatically save and return to counting state.

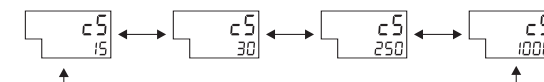
CHANGE OPERATION MODE

Hold down **MD** key for 3 seconds into the function mode then press **MD** key cyclic selection.



MAXIMUM COUNTING SPEED MODE

Press **MD** or **MD** Cyclic selection.



Maximum counting speed mode, can count the number of times per second.

cS/15 = Can count up to 15 times per second (Factory default values).

cS/30 = Can count up to 30 times per second.

cS/250 = Can count up to 250 times per second.

cS/1000 = Can count up to 1000 times per second.

Press **MD** key save the settings and change to RELAY OUTPUT mode or press **RST** key save the settings and return to counting state.

RELAY OUTPUT MODE

Press **MD** or **MD** Cyclic selection.



ry/0=Positive action. (NC → NO) (Factory default values)

ry/1=Reverse action. (NO → NC)

ry/2=Trigger action. (NC → NO → NC) (at nd/0 mode is invalid.)

Press **MD** key save the settings and change to UP/DOWN mode or press **RST** key save the settings and return to counting state.

UP / DOWN MODE

Press **MD** or **MD** Cyclic selection.



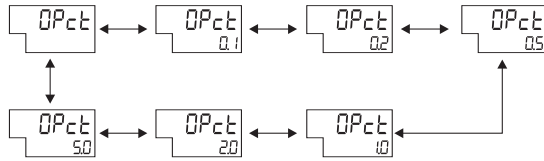
ud/up=Increase counting. (Factory default values)

ud/do=Decrease counting.

Press **MD** key save the settings and change to OUTPUT CONTROL mode or press **RST** key save the settings and return to counting state.

OUTPUT CONTROL MODE

Press  or  Cyclic selection.



Setup relay reset of delay time.
When count up relay can be delay reset then accept the new count signal.

Opct = Manual reset (Factory default values).

Opct/0.1 = Delay 0.1 seconds.

Opct/0.2 = Delay 0.2 seconds.

Opct/0.5 = Delay 0.5 seconds.

Opct/1.0 = Delay 1.0 seconds.

Opct/2.0 = Delay 2.0 seconds.

Opct/5.0 = Delay 5.0 seconds.

Press  key save the settings and change to MEMORY mode or press  key save the settings and return to counting state.

MEMORY MODE

Press  or  Cyclic selection.



-c/no = No memory function (Factory default values).

-c/ye = With memory function.

Press  key save the settings and change to INPUT LOGIC mode or press  key save the settings and return to counting state.

INPUT LOGIC MODE

Press  or  Cyclic selection.

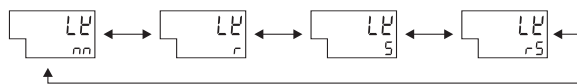


nnp = No voltage input (Factory default values).

Press  key save the settings and change to KEY LOCK mode or press  key save the settings and return to counting state.

KEY LOCK MODE

Press  or  Cyclic selection.



LK/nn = No LOCK key, but if the LOCK indicator is prohibited from entering the model function. (Factory default values).

LK/r = Lock the reset button and barred from the model function.(Light LOCK must be light).

LK/S = Lock the shift key and barred from the model function.(Light LOCK must be light).

LK/rS = All lock.(Light LOCK must be light).

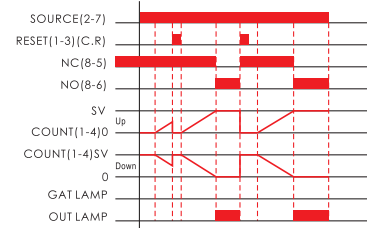
*This model is only lock the buttons on the control panel, an external button does not lock.

Standby mode directly hold the  key for 3 seconds to lock key(The LOCK indicator light) or Remove the lock key(The LOCK indicator light).

Press  key save the settings and change to COUNTING RATE mode or press  key save the settings and return to counting state.

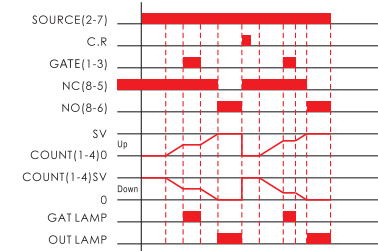
TIMING CHARTS

L6C-X



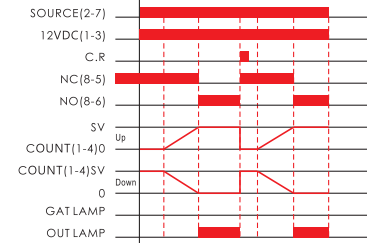
C.R=Control Plate Reset

L6C-G



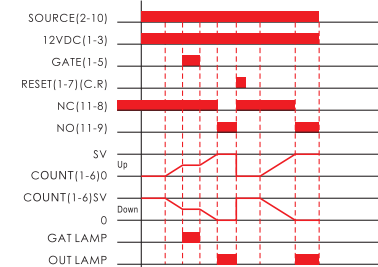
C.R=Control Plate Reset

L6C-P



C.R=Control Plate Reset

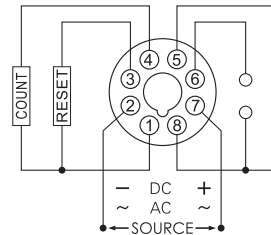
L6C-11



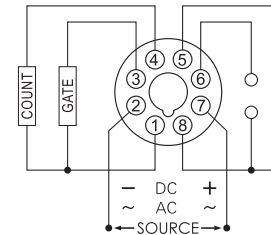
C.R=Control Plate Reset

CONNECTION DIAGRAMS

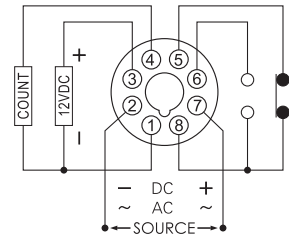
L6C-X



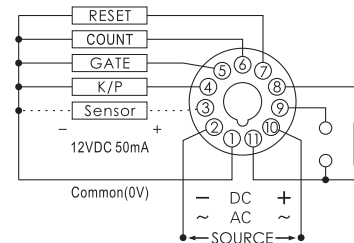
L6C-G



L6C-P



L6C-11



K/P=Key Protection

MAIN PRODUCTS

- TIME RELAY
- THERMOSTAT
- CONTROLLER
- SOLID STATE RELAY
- CLOSE SWITCH
- TEHRMOCOUPLE
- COUNTER
- LEVEL CONTROLLER
- LIMIT SWITCH
- THE BASE AND ACCESSORIES