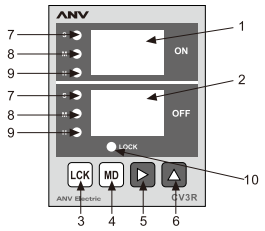
ANV ELECTRIC

MULTI-FUNCTION DIGITAL TWIN TIMER

MANUAL

CV3R

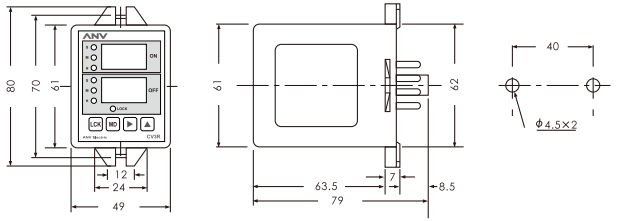
FRONT PART



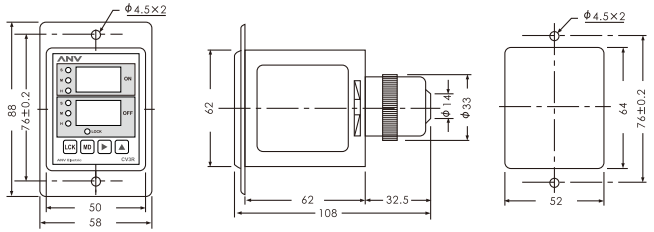
SYMBOL		NAME	FUNCTION
1	ON	Present Value Setting Value	Display of present / setting value
2	OFF	Present Value Setting Value	Display of present / setting value
3	LCK	Lock Key	Lock MD Key, ▶ Key, ▲ Key
4	MD	Mode Key	Time range select key
5	▶	Mode Key Shift Key	Mode Key : Select count up or count down Shift Key : Move the position of digit
6	▲	Mode Key Increase Key	Mode Key : Check ON/OFF setting value Increase key : Increase setting value
7	S	SEC Indicator lamp	When setting value is second
8	M	MIN Indicator lamp	When setting value is minute
9	H	HR Indicator lamp	When setting value is hour
10	LOCK	Lock Key Indicator lamp	Indicating lock MD Key , ▶ Key , ▲ Key

DIMENSIONS

CV3R-N Surface



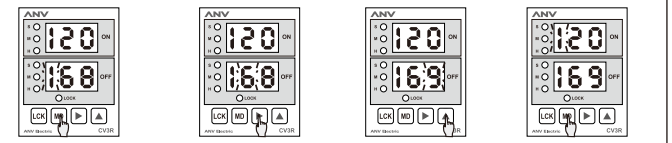
CV3R-Y Flush



SPECIFCATIONS & CHARACTERISTICS

DIMENSIONS(mm)		Surface: 60H×48W×69D Flush: 88H×58W×69D			
MOUNTING & SOCKET		Surface: 8PFA Flush: US-08 or P3G-08			
RESET METHOD		Power Reset, External Reset			
RESET TIME		Power Reset: 0.3sec External Reset: 0.02sec			
RATED VOLTAGE		12~60VDC/AC 100~240VAC 50/60Hz			
OPERATING VOLTAGE		90~110% of rated voltage			
ON/OFF TIME PANGE SEC : 9. 99, 99.9, 999 MIN : 99. 9, 999 H R : 99. 9, 999		CV3R-N CV3R-Y	CV3R-N2S CV3R-Y2S	CV3R-NT CV3R-YT	CV3R-NT1 CV3R-YT1
CONTROL OUTPUT		Mode A/B 2C or 1A1C	Time limit : 1C×2	Time limit : 1C 1+4 START 1+3 RESET	Time limit : 1C 1+4 START 1+3 RESET
ACC-URACY	REPEAT ERROR	± 0.05% sec			
	SETTING ERROR	0			
	VOLTAGE ERROR	± 0.05% sec			
	TEMP . ERROR	± 0.05% sec			
LIFE	MECHANICAL	5×10^6 times			
	ELECTRICAL	10^5 times			
CONSUMED POWER		Max.2~3VA			
WEIGHT		Approx.140g		Approx.130g	

CHANGE OF SETTING VALUE



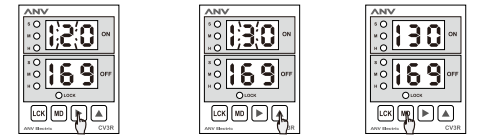
Press MD Key to set OFF value , digit flicker

Press ▶ Key the flickering digit shifts from the left to the right

1-6-8

Press ▲ key to change digit

Press MD key to complete OFF setting value , while begin ON setting value , digit flicker



Press ▶ Key the flickering digit shifts from the left to the right

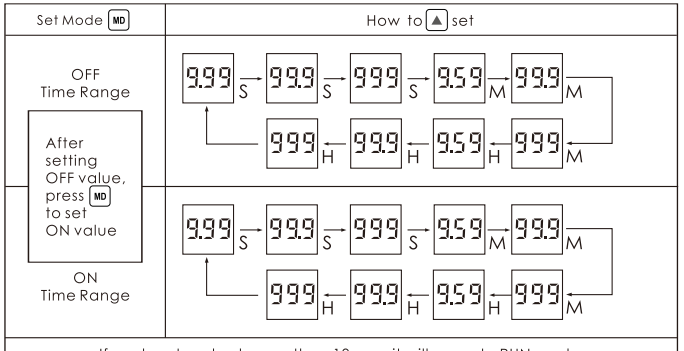
1-2-0

Press ▲ key to change digit

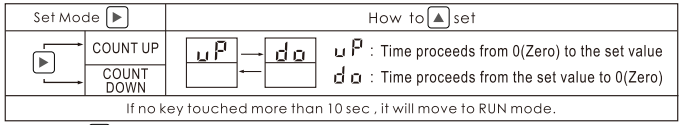
Press MD key to complete ON setting value

CHANGE OPERATION MODE

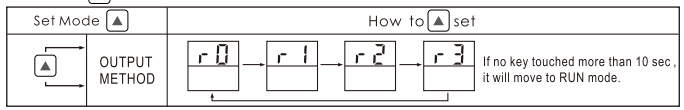
● Press MD for more than 10 sec , it will be enter TIME RANGE selection



● Press ▶ for more than 10 sec , it will be enter COUNT UP or COUNT DOWN selection



● Press ▲ for more than 10 sec , it will be enter OUTPUT METHOD selection



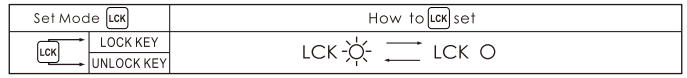
r0 : OFF timing first , ON/OFF circulation count time

r1 : ON timing first , ON/OFF circulation count time

r2 : RY1 output when OFF time up then RY2 output when ON time up , no circulation , CV2R-□2S , CV3R-□2S

r3 : OFF time up RY on , ON time up RY off , no circulation

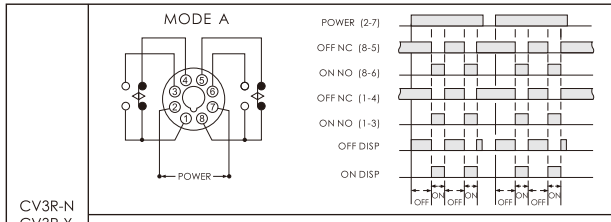
● Press LCK for more than 3 sec , it will be enter LOCK KEY mode

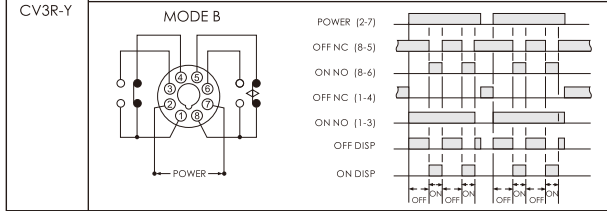


● Press ▲ key check ON/OFF setting value

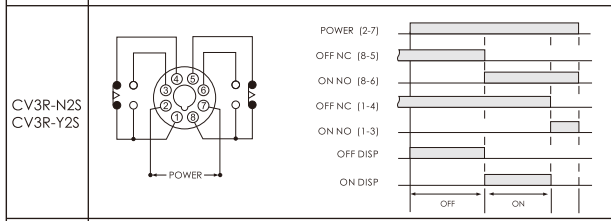
CONNECTION DIAGRAMS & TIMING CHARTS

CV3R-N
CV3R-Y

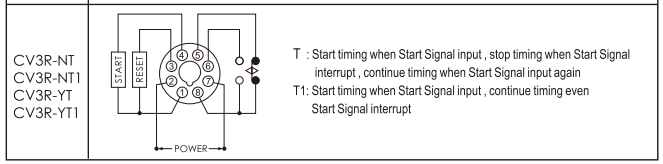




CV3R-N2S
CV3R-Y2S



CV3R-NT
CV3R-NT1
CV3R-YT
CV3R-YT1



T : Start timing when Start Signal input , stop timing when Start Signal interrupt , continue timing when Start Signal input again

T1: Start timing when Start Signal input , continue timing even Start Signal interrupt

FACTORY SPECIFICATION

TIME RANGE	0.01s~999H
OUTPUT TIME	Time UP operating
MEMORY FUNCTION	No memory function
UP/DOWN MODE	Time proceeds from 0(Zero) to the set value
LOCK KEY	No key locked