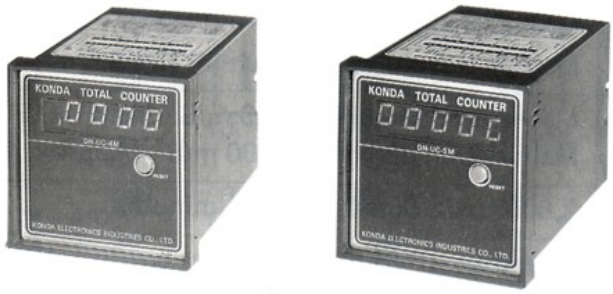
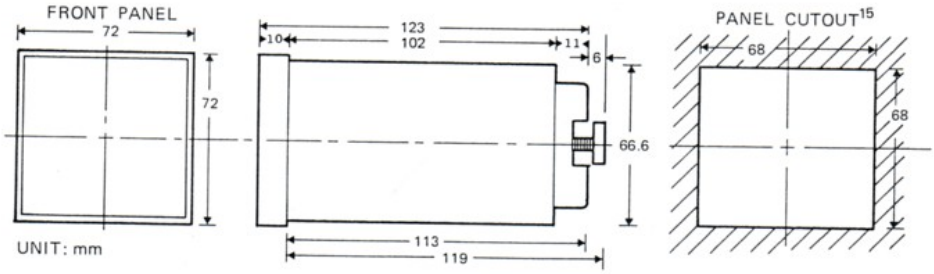
KONDA TOTALIZING NO PRESET COUNTERS



■ AVAILABLE TYPES

OPERATION MODE		UP MODE	DOWN MODE	UP/DOWN MODE
MEMORY FUNCTION		YES	–	YES
DISPLAY		7 SEGMENTS 0.3" RED LED	–	7 SEGMENTS 0.3" RED LED
TYPE AND NUMBER OF DIGITS	2 DIGITS	–	–	DN-UDC-2M
	3 DIGITS	–	–	DN-UDC-3M
	4 DIGITS	DN-UC-4M	–	DN-UDC-4M
	5 DIGITS	DN-UC-5M	–	DN-UDC-5M
	6 DIGITS	DN-UC-6M	–	–

■ DIMENSION



NOTE 15: The standard panel cutout is as shown in the left (for conforming to DIN 43 700).

■ RATING

Supply Voltage[13]	110 or 220 VAC, 50/60 HZ. operating voltage range: 85~115%
Power Consumption	Approx. 3.5VA (AC 110 or 220V, 50/60 HZ)
Count and Reset Input	Contact Input: By short-circuiting or opening contacts. Contactless Input: [H] +6~+24 VDC, [L] 0~+2 VDC. Input Impedence: 4.7 kΩ
Counting Speed[14]	Contact Input: 30 cps. Min. pulse width: 16.7 msec. Contactless Input: 300~1000 cps. Min. pulse width: 0.5 msec. (Max. up to 5 kcps according to user's inquiring.)
Reset System	External and Mannual reset , Reset time: 0.02 sec.
Control Output	Un-necessarily avail
Power Supply for External Connected Pulse Generators	12 VDC ± 10%, 50 mA (permissible ripple factor: 5% max.)

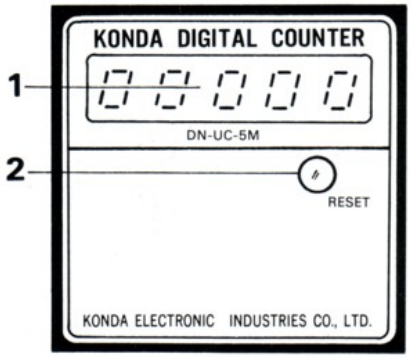
NOTE 13: Various supply voltage is available by changing one transformer according to user's inquiring.

NOTE 14: The counting system of KONDA counter: 1 PULSE = 1 FIGURE (input signal).

■ CHARASTERISTICS

Insulation Resistance		50M Ω min.
Vibration		Mechanical durability: 10~50 HZ, 0.1 mm double amplitude. Malfunction durability: 10~50 HZ, 0.5 mm double amplitude.
Shock		Mechanical durability: 300 m/S² (Approx. 50 G's). Malfunction durability: 100 m/S² (Approx. 10 G's).
Dielectric Strength		2,000 VAC, 50/60 HZ for 1 minute.
Ambient Temperature		Operating: 0°C~50°C (Without condensation).
Humidity		45~85% RH.
Input Signal Voltage Level	H	+6 VDC ~ +24 VDC
	L	0 VDC ~ +2 VDC
Input Resistance		4.7 kΩ
Weight		600g ± 10%

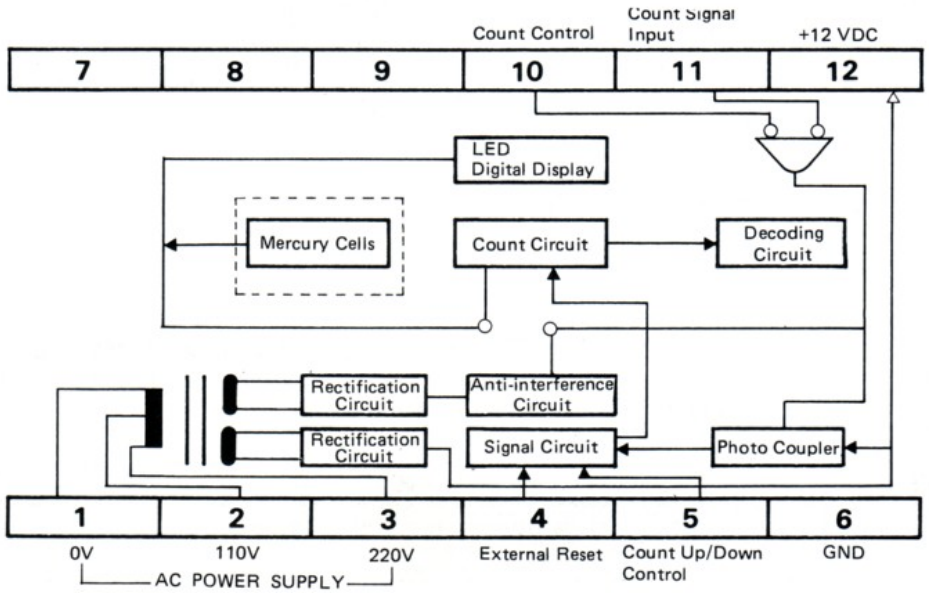
■ DESCRIPTION OF FRONT PANEI



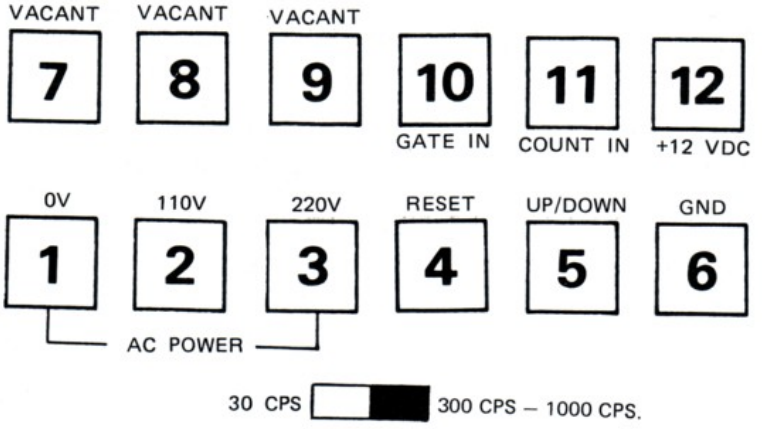
- 7 SEGMENTS RED LED DIGITAL DISPLAY..... (1)
- RESET BUTTON[16]..... (2)

NOTE 16: The manual reset button is for checking the zero-resetting function, when frequent resetting are needed, please use External Resetting wiring method.

■ BLOCK DIAGRAM OF TERMINALS AND INNER CIRCUITS



■ CONNECTIONS

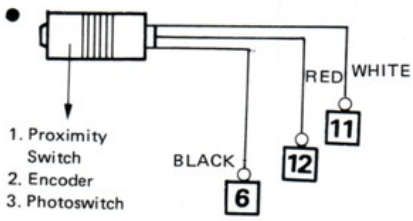


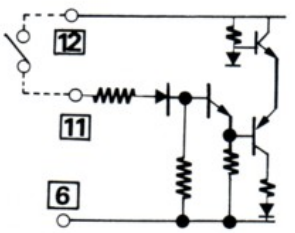
• AC POWER SUPPLY

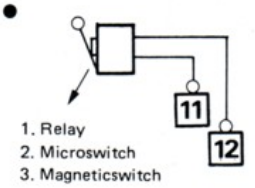
NOTE 17: Please exactly make sure whether the connecting wire terminals being corrects.

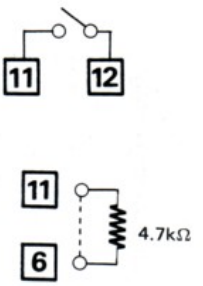
NOTE 18: Operating voltage range: 85% ~ 115%.

• CONNECTION OF POWER SUPPLY FOR PULSE RECEIVER





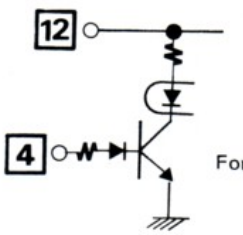




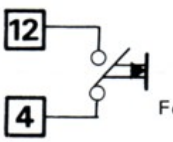
• Switch position (300 CPS)

• Switch position (30 CPS)

• RESET CONNECTION

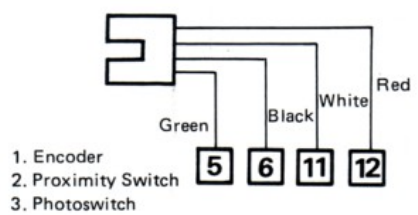


For Contactless Signal Input



For Contact Signal Input

• CONNECTION OF UP/DOWN MODE FOR PULSE RECEIVER



NOTE 19: The continuing operation, after reaching the set count, is shown as follow (For ex. the set value is 10):