Features

- Universal, with dual functions, also suitable as maintenance counter
- 2 pulse or time counters for measuring daily and total values
- Count frequency 60 kHz
- Four dual functions in one device, saves on inventory costs
- Separate multiplication and scaling factor for pulse & frequency counter

Specifications:

Supply: 10 ... 30 V DC, with reverse polarity protection

voltage: 90 ... 260 V AC **Current consumption:**

max. 50 mA, 6 VA

Display: 6 digit red 7 segment LED display; 14 mm high

Data backup:

Dimensions 96 x 48 mm according to DIN 43 700; Housing:

RAL 7021, grey

Polarity of Inputs:

programmable, npn or pnp for all inputs

Input resistance: appr. 5 k Ω

Counting frequency*:

60 kHz, can be damped to 30 Hz depending on

operating mode

Reset time: 5 ms Input switching level

DC-version: (standard version):

Low: 0 ... 0.2 x UB [V DC] High: 0.6 x UB ... 30 V DC

AC-version:

Low 0 ... 4 V DC High 12 ... 30 V DC

Input switching level (5 V version):

Low 0 ... 2 V DC High 4 ... 30 V DC

Voltage supply for sensors:

24 V DC ±15 %/100 mA at AC versions

Accuracy: <0.1 % (Frequency display/Rate meter)

Ambient temperature:

-20 ... +65 °C, non-condensing

Storage temperature:

-25 ... +70 °C

EMC: according to EC EMC directive 89/36/EWG

Immunity to interference:

EN 61000-6-4/EN 55 011 class B

Emitted interference:

EN 61000-6-2 Protection: IP65 (from front)

Weight: appr. 150 g

Multipurpose Device Counter. Rate Meter and Timer



Applications:

Preset batch counting, length measuring, simple positioning, time control, speed control, rate control.

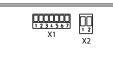
Operating modes:

Adding counter and frequency meter, counter with 2 totalizing ranges, totalizer and time meter, time meter with 2 time ranges.

Wiring:

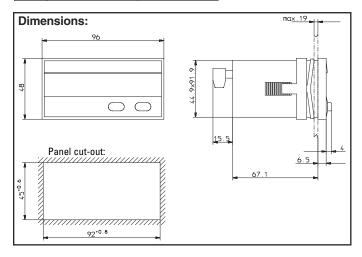
Connection X2

Pin	AC-Version	DC-Version
1	90 260 V AC	0 V DC (GND)
2	90 260 V AC	10 30 V DC



Connection X1

Pin	AC-Version	DC-Version
1	n.c.	
2	n.c.	
3	Reset	
4	INP B	
5	INP A	
6	GNDout	n.c.
7	+24 Vout	n.c.



Ordering Information Example CTR54U Series:-Input Level: 0= Standard A= 5V level Power Supply: 0= 90 to 260 VAC