

**MWM5-CNTUD-DCCB1M** - Scalable Up/Down Counter, Wall Mount, Plastic 4.5x3.5x2.1 Surface Mount Enclosure, DC Powered, CB1 Male Sensor Connector.

**MWM5-CNTUD-DCCB1M, SCALEABLE UP/DOWN COUNTER, WALL MOUNTABLE 4.5" x 3.5" x2.2" BOX, MALE CB1 CONNECTOR, DC POWER**

<p><b>ENCLOSURE MATERIAL:</b> 94V-2 NEMA 4X POLYCARBONATE</p>	<p><b>PROGRAMMING:</b> SHIPPED PROGRAMMED TO YOUR NEEDS</p>	<p><b>SENSOR CONNECTION</b> MALE 4 PIN M12 MICRO 12V DC POWER TO SENSOR</p>
<p><b>DISPLAY:</b> 8 DIGIT, 0.46" LED</p>	<p><b>POWER CONNECTION</b> MALE 2 PIN MULTI CON-X **MATE INCLUDED</p>	

**OTHER OPTIONS AVAILABLE**  
\*CONTACT US FOR QUOTE  
-AC POWERED VERSION  
-DUAL COUNT/QUADRATURE  
-RELAY OUTPUT (1 SET-POINT)  
-DIFFERENT CONNECTIONS

**REV A**

## SENSOR CONNECTION

**CB1M, Panel Mount 4 Pin Male 12mm Micro Connector**

\*USE CB1M FOR RECTANGULAR NON-THREADED HOUSINGS ONLY ALL OTHER HOUSINGS USE CB1 OR CB2

Rev A CHOOSE FROM CB1 MATING CONNECTORS AND CABLE SETS DIM=INCH

THIS COUNTER IS COMPATIBLE WITH SPEED, SPEED/DIRECTION, AND QUADRATURE DUAL OUTPUT SENSORS.

COUNTER DELIVERED PREPROGRAMMED FOR YOUR SENSOR TYPE

**SINGLE CHANNEL SPEED SENSOR**

**QUADRATURE SENSOR**

**SPEED AND DIRECTION SENSOR**

### Connections Chart

Pin 1	Vcc
Pin 2	n/c
Pin 3	Ground
Pin 4	Digital Vout

**CB1 - Speed Sensor**

### Connections Chart

Pin 1	Vcc
Pin 2	Ch B Vout
Pin 3	Ground
Pin 4	Ch A Vout

**CB1 - Quadrature**

### Connections Chart

Pin 1	Vcc
Pin 2	Direction Vout
Pin 3	Ground
Pin 4	Speed Vout

**CB1 - SPEED/DIRECTION**

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## CNTUD-DC, Electrical & Functional Specifications

ABSOLUTE MAX LIMITS	MIN	MAX	UNITS
Supply Voltage, Vcc	+9	+28	Volts DC
Rate Display Frequency	0.01	20000	Hz
Max.Count Rates (50% DC)	--	20	KHz

ELECTRICAL SPECS	CONDITIONS	MIN	MAX	UNITS
Temperature Range	Red Display level 1&2	-35	+75	Deg C
Input Current	Red Display (max)	--	115	mA
Humidity	Operating	0	85	%
Humidity	Storage	0	85	%
ESD	Contact Discharge	--	4	kV
ESD	Air Discharge	--	8	kV

COUNT/RATE SIGNAL INPUTS	VIL	VIH	Vmax	UNITS
Input A (Logic)	1.25 max	2.75 min	28.0	VDC
Input B (Logic)	1.0 max	2.4 min	28.0	VDC
USER Input (Internal 10K Pull-Up)	1.0 max	2.4 min	28.0	VDC
PROGRAMMED VALUES	MIN	MAX	PROG.	UNITS
PROGRAMMABLE SCALE FACTOR	0.0001	99.9999		COUNT
COUNTER RESET VALUE (DEF = 0)	0.0001	99.9999		COUNT
COUNTER RESET AT POWER UP (YES OR NO)				
UNITS DISPLAYED				

Rev A

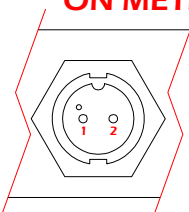
POWER CONNECTION

Connections Chart

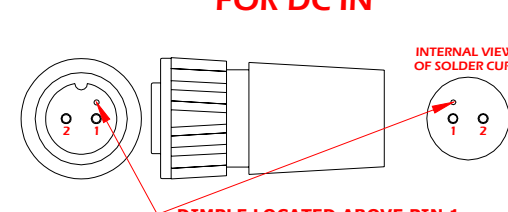
Pin 1	Vcc +
Pin 2	Gnd -
CC2-DC power	

CC2 and Mate, 2 pin Conxall Connector for DC Power

PANEL CONNECTOR  
ON METER



MATING CONNECTOR  
FOR DC IN



DIMPLE LOCATED ABOVE PIN 1 ON EACH SIDE OF CONNECTOR

Rev A
DIM=INCH