

MWM5-CNTUD-ACCB1F - Scalable Up/Down Counter, Wall Mount, Plastic 4.5x3.5x2.1 Surface Mount Enclosure, AC Powered, CB1 Female Sensor Connector.

MWM5-CNTUD-ACCB1F, SCALEABLE UP/DOWN COUNTER, WALL MOUNTABLE 4.5" x 3.5" x 2.2" BOX, CB1F CONNECTOR, AC POWER

<p>ENCLOSURE MATERIAL: 94V-2 NEMA 4X POLYCARBONATE</p> <p>DISPLAY: 8 DIGIT, 0.46" LED</p>	<p>PROGRAMMING: SHIPPED PROGRAMMED TO YOUR NEEDS</p>	<p>SENSOR CONNECTION FEMALE 4 PIN M12 MICRO 12V DC POWER TO SENSOR</p> <p>POWER CONNECTION 110 VAC OUTLET</p>
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OTHER OPTIONS AVAILABLE
*CONTACT US FOR QUOTE
-DC POWERED VERSION
-DUAL COUNT/QUADRATURE
-RELAY OUTPUT (1 SET-POINT)
-DIFFERENT CONNECTIONS

AC ADAPTOR
IN: 120 VAC
60hz 12W
OUT: 12 VDC
400 mA

PLUGS DIRECT INTO 110 VAC WALL OUTLET

SENSOR CONNECTOR-FEMALE MATES WITH MALE END OF CB1 MATING CABLES

REV A

SENSOR CONNECTION

CB1F-P1, 4 PIN FEMALE PANEL-MOUNTED

CONNECTOR: Brad Harrison 8R4A00A18A120

Rev A MATES WITH MALE END OF CB1 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

Connections Chart	
Pin 1	Vcc
Pin 2	n/c
Pin 3	Ground
Pin 4	Digital Vout
CB1 - Speed Sensor	

QUADRATURE SENSOR

Connections Chart	
Pin 1	Vcc
Pin 2	Ch B Vout
Pin 3	Ground
Pin 4	Ch A Vout
CB1 - Quadrature	

SPEED AND DIRECTION SENSOR

Connections Chart	
Pin 1	Vcc
Pin 2	Direction Vout
Pin 3	Ground
Pin 4	Speed Vout
CB1 - SPEED/DIRECTION	

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CNTUD-AC, Electrical & Functional Specifications

ABSOLUTE MAX LIMITS	CONDITIONS	MAX	UNITS
Power	AC Input Voltage	120	Volts AC
Maximum Frequency	Operating	20	KHz
Minimum Frequency	Operating	0.01 (min)	Hz

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)				
COUNT DIRECTION				
COUNT MODE (SEE BELOW FOR OPTIONS)				
UNITS DISPLAYED				

Rev A

DISPLAY	MODE	INPUT A ACTION	INPUT B ACTION
CNT UD	Count with Direction	Counter A	Counter A Direction
RATE CNT	Rate/Counter	Rate only	Counter A Add
DUAL CNT	Dual Counter	Counter A Add	Counter B Add
QUAD 1	Quadrature x1	Count A	Quad A
QUAD 2	Quadrature x2	Count A	Quad A
QUAD 4	Quadrature x4	Count A	Quad A
ADD ADD 2	2 Input Add/Add	Counter A Add	Counter A Add
ADD SUB 2	2 Input Add/Subtract	Counter A Add	Counter A Subtract

Note: The Rate indicator signal is derived from Input A in all count modes.