

**FM-TACH-DCTBC** - Digital Dual Output Tachometer, Face Mount, DC Powered, terminal block connections.

## FM-TACH-DCTBC, DIGITAL TACHOMETER, PANEL MOUNT TERMINAL BLOCK CONNECTIONS, DC POWER

**EXPOSED MATERIAL:**  
NEMA 4X SEALED  
FRONT BEZEL

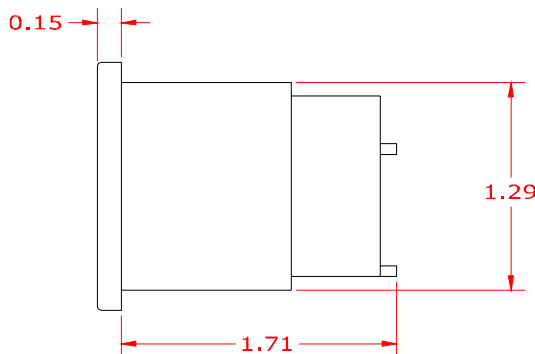
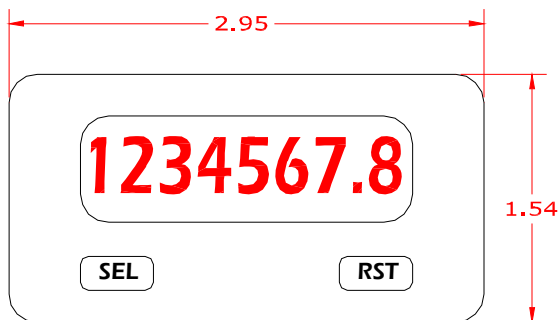
**PROGRAMMING:**  
SHIPPED PROGRAMMED  
TO YOUR NEEDS

**CONNECTIONS**  
WIRE CLAMPING SCREW  
TERMINALS (30-14AWG)

**DISPLAY:**  
8 DIGIT, 0.46" LCD

**OTHER OPTIONS AVAILABLE**  
\*CONTACT US FOR QUOTE  
-AC POWERED VERSION  
-DUAL COUNT/QUADRATURE  
-RELAY OUTPUT (1 SET-POINT)  
-MOUNTED IN WEATHERPROOF  
ENCLOSURE WITH SEALED  
CONNECTIONS

RECOMMENDED MINIMUM CLEARANCE (BEHIND PANEL) IS 2.15" Hx 3.00" W  
RECOMMENDED MINIMUM PANEL CUTOUT DIMENSIONS: 1.3" H x 2.68" W



REV A

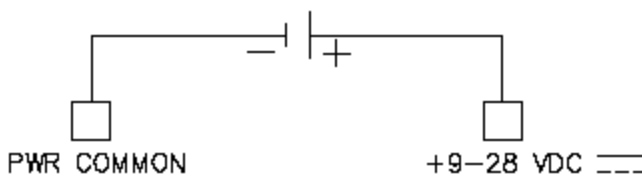
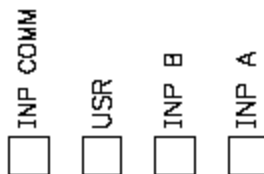
DIM = INCHES

## POWER WIRING:

### DC Power

+9 to +28 VDC: +VDC

Power Common: -VDC



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## TACH-DC, Electrical & Functional Specifications

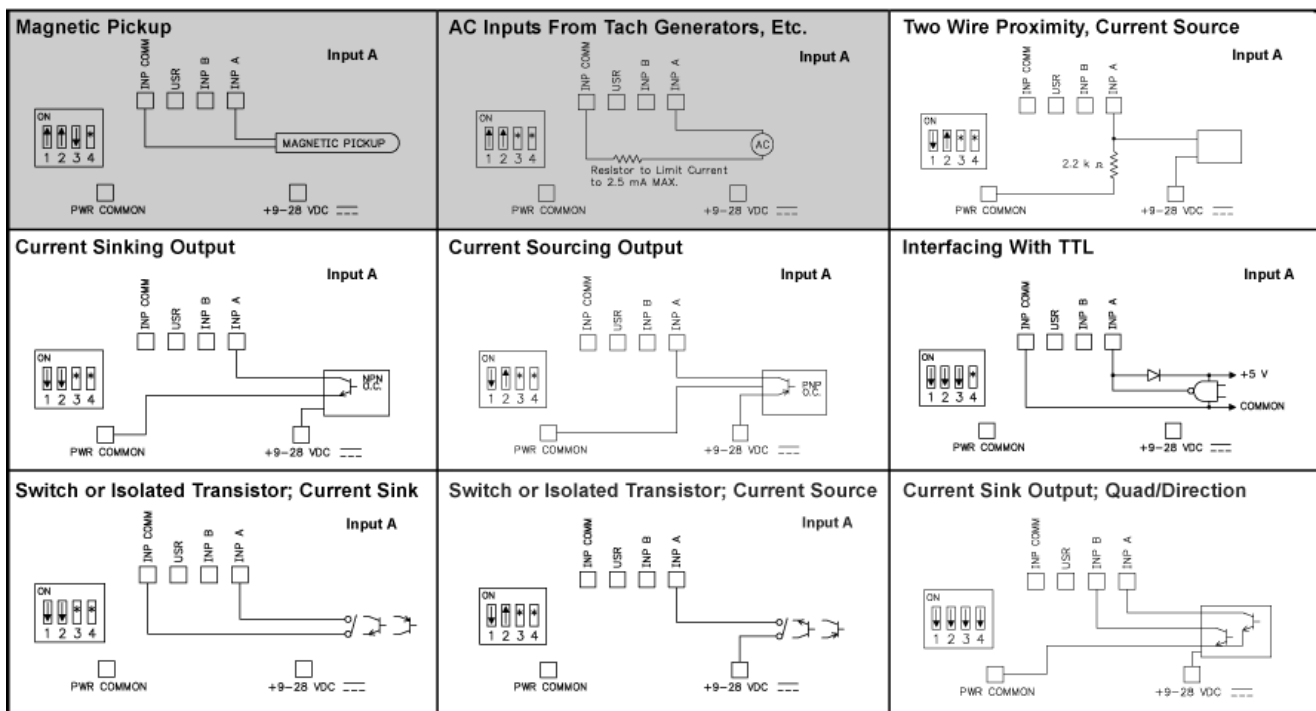
ABSOLUTE MAX LIMITS	CONDITIONS	MAX	UNITS
Power	AC Input Voltage	9-28	Volts DC
Maximum Frequency	Operating	20	KHz
Minimum Frequency	Operating	0.01 (min)	Hz

ELECTRICAL SPECS	CONDITIONS	MIN	MAX	UNITS
Temperature Range	Operating	-35	+75	Deg C
Temperature Range	Storage/No Power	-35	+85	Deg C
Humidity	Operating/Storage	0	85	% RH
Vibration (x,y,z) direction	IEC 68-2-6	-----	500	Hz
Shock (x,y,z) direction	IEC 68-2-27	-----	40	g

PROGRAMMED PARAMETERS	MIN	MAX	PROGRAMMING	UNITS
Count or Rate	-----	-----		
Counter A: Scale	0.0001	99.999		
Counter A: Count Direction	Normal	Reverse		
Counter B: Scale	0.0001	99.999		
<b>Counter B: Batch Count * (1 or 2 Setpoints)</b>				
Rate: Scaling Display Value	0	999999		
Rate: Scaling Input Value	0.1	99999.9		
Rate: Low Update Time	0.1	99.9		sec
Rate: High Update Time (zero)	0.2	99.9		sec
<b>* REQUIRES ADDITIONAL SETPOINT OUTPUT OPTION CARD</b>				

**Rev A**

CAUTION: Power common (PWR COMMON) is NOT isolated from input common (INP COMM). In order to preserve the safety of the meter application, the power common must be suitably isolated from hazardous live earth referenced voltage; or input common must be at protective earth ground potential. If not, hazardous voltage may be present at the Signal or User Inputs and input common terminals. Appropriate considerations must then be given to the potential of the input common with respect to earth ground; and the common of the plug-in cards with respect to input common.



\* Switch position is application dependent.

Shaded areas not recommended for counting applications.