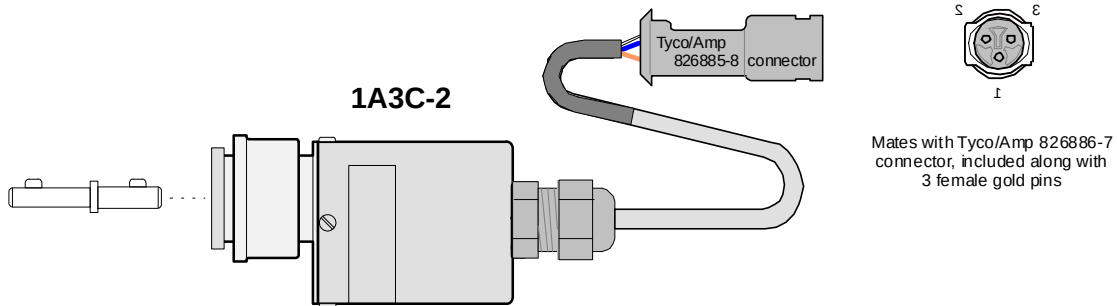




TSU (Tach Sending Units)



Installation Instructions: 1A3C-2

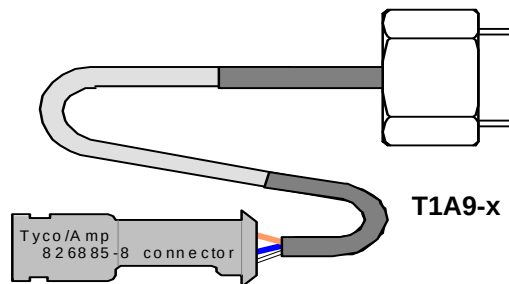
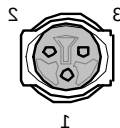
1. Insert the tang provided, and mount to the engine tachometer drive port. It may be necessary to rotate the unit for clearance from other accessories mounted on the gear case. The centerline is offset for this purpose. The TSU will operate in either direction.
2. Use removable thread locker on threads, Loctite 242 or eqv.
3. Attach the supplied connector to the wiring harness from the indicating unit as follows. **PIN 1= GND, PIN 2= POWER IN, PIN 3 = SIGNAL OUT.**
4. Route wiring harness away from high temperature objects and secure.

Installation Instructions:

T1A9-(1)or(2) Magneto Pick-up, -(1) for Slick -(2) for Bendix

1. Mount the pick-up on either magneto, in the threaded port on the magneto case. Use the port closest to the engine drive side. Hand tighten, then tighten **1/8 turn max.** more. Use removable thread locker, Loctite 242 or eqv.
3. Attach the supplied connector to the wiring harness from the indicating unit as follows. **PIN 1= GND, PIN 2= POWER IN, PIN 3 = SIGNAL OUT.**
2. Run the wire bundle to the cockpit and connect to indicating unit. Keep clear of high temp areas.

Mates with Tyco/Amp 826886-7 connector, included along with 3 female gold pins



Specifications

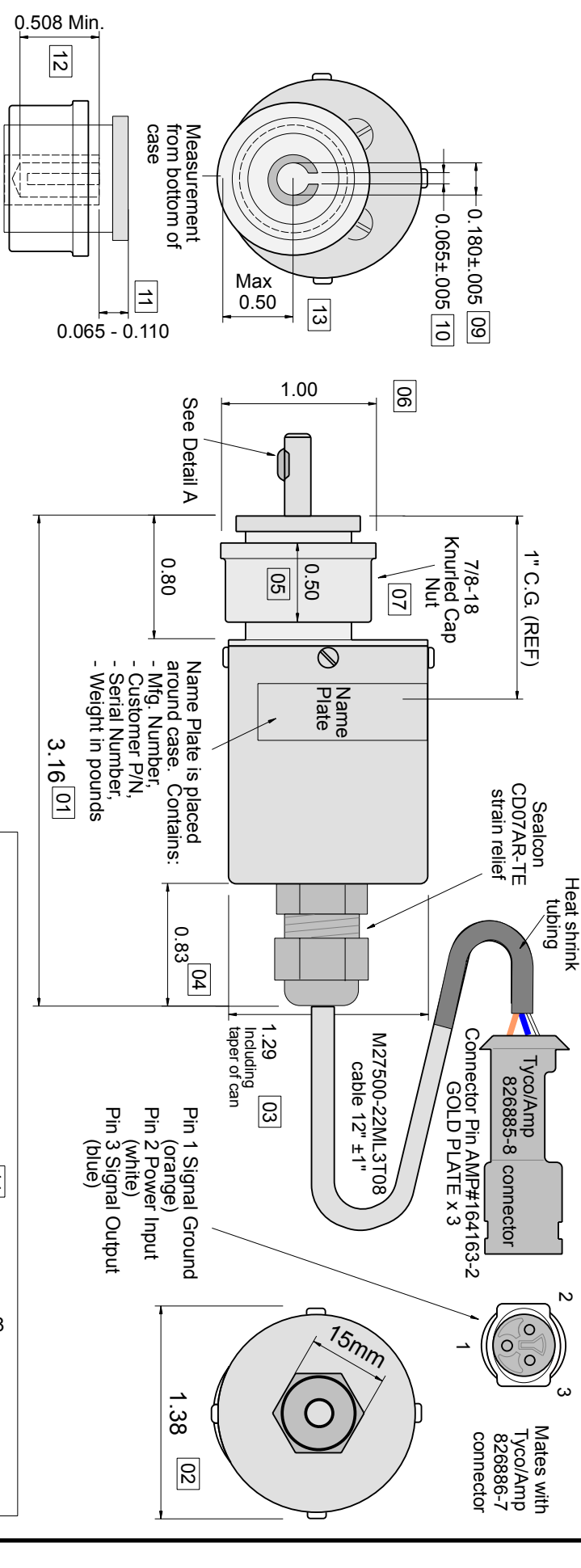
1A3C-2

Wt. 3 oz.
Power 5-16VDC 10ma
Output 4 Pulses/Rev --- 95% Vcc Sq. wave
Temp. -40 to 125C

T1A9-x

Wt. 3 oz.
Power 5-16VDC 10ma
Output Magneto dependent pulses --- 95% Vcc Sq. Wave
Thread 1A9-1--11/16-24UNEF 1A9-2-- 9/16-24UNEF
Temp. -40 to 125C

MATERIAL:



Detail showing measurement from mounting face to the top surface of tang holder

SPECIFICATIONS:

- 01. Input voltage (+VSS) range is 4.5 to 16 volts DC
- 02. Output square wave 0 to +VSS, 4 pulses per tang revolution. Impedance is 2.7K ohm.
- 03. Unit is connected to the Mechanical Tachometer Drive port on engine.
- 04. Standard Tang, UMA PN: 11022, is used to adapt TSU to engine, others available.
- 05. Tang P/N 11022 will shear at a maximum of 35 in. Lbs. of torque.
- 06. Less than 5 in. lbs. of torque required to maintain tang speed up to 2000 RPM
- 07. Oil impregnated, self lubricating, wear resistant sleeve bearing.
- 08. Rotation CW or CCW
- 09. Signal Ground not connected to case.
- 10. Printed circuit board is conformal coated (MIL-1-46058C Type SR or equivalent).
- 11. Weight is 0.2 pounds.

NOTE: Wire to circuit board connections and sensor leads to be coated with RTV Silicone.

Specification Drawing UMA Cage # 61225

							TOLERANCES EXCEPT AS NOTED	UMA Inc, 260 Main St. Dayton, VA 22821 SCALE 1 : 1 DATE: 11/02/06 SHEET 1 of 1 SUPPLIER COMPLETE ☐ DRAW BY JM DESCRIPTION TACHOMETER SENDING UNIT APP PART# 1A3C-2 REV IR			
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