

Shaft Speed Sensor with Direction: 46488

Hall Effect sensor, packaged as a typical magnetic pick-up, provides a 4-20mA signal for speed and direction.

Standard 5/8-18 threaded stainless steel housing for attaching to bracket or threading into marine gear housing. Epoxy sealed, with gold-plated connector terminals.

Perfect for providing Dynamic Positioning (DP) systems with propeller speed and direction. Output provided is 12mA at zero speed; 4mA at full speed in one direction, and 20mA at full speed in opposite direction.

Pre-configured to match Twin Disc, Incorporated MGX series marine gears. Factory programmable for other configurations (tooth counts).

Power converter module allows power to be supplied from any 12VDC-24VDC source.

Designed and tested to meet ABS and other Classification Society specifications.

SENSOR KIT 46488 INCLUDES:

- 5/8-18 THD x 4.5in sensor with M12 connector
- 40ft M12 harness
- Power Converter Module (PCM)
- PCM adapter cable with user interface connector kits



SPECIFICATIONS

Supply voltage: 12VDC-24VDC nominal; to power converter module (PCM)

Temperature rating: -40 to 85 degree C

Output: 4-20mA bi-directional, +/-0.1mA, isolated. Zero speed 12mA +/-0.1mA. Teeth moving toward mark 12.11-20mA; teeth moving away from mark 11.89-4mA

Maximum speed: See chart on back for maximum frequency

Distance from teeth: .03-.05in (1/2 to 1 turn)

Sensor material: 303 stainless steel housing; epoxy seal; gold-plated connector terminals

PCM material: ABS enclosure with epoxy seal; Deutsch connectors for user interface

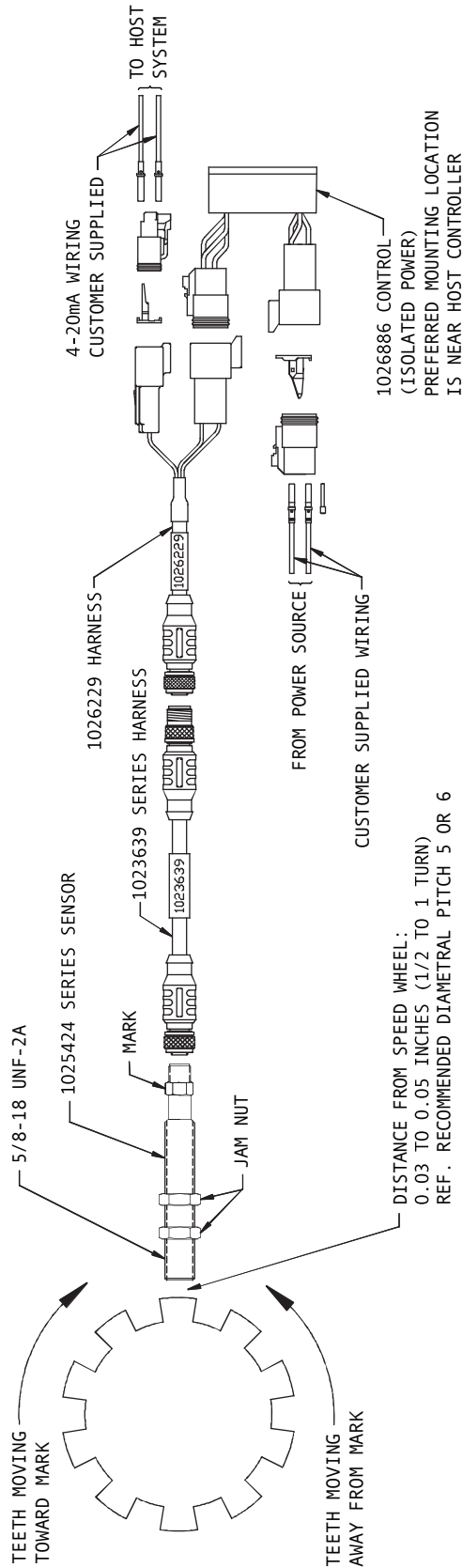
Designed and tested to meet Classification Society specifications – per Twin Disc standard S890

Contact Twin Disc for Survey Society Approvals and Classifications.

Specifications subject to change without prior notice in the interest of continual product improvement.



SHAFT SPEED SENSOR WITH DIRECTION: 46488



KIT	MAX Hz
46488	400
46488A	500
46488B	650
46488C	800
46488D	2000

