

Application Idea



More and more, manufacturers are relying on linear position sensing to support the trend to automate on-road vehicles and related mechanisms. Position feedback is utilized not only to improve system performance, but also to improve machine life and safety without having to rely as heavily on operator skills. In these applications, MTS Temposonics sensors are chosen because of their proven performance under extreme shock and vibration, EMI and environmental conditions.

Overview

Application:	Position feedback of loading arms on solid waste trucks.
Benefits:	<ul style="list-style-type: none">• Position feedback eliminates variability of manual controls thereby improving vehicle component life.• Rugged, reliable construction allows for use in a wide range of environmentally harsh conditions.• High shock and vibration tolerance ensure trouble free operation.• Replaceable sensing element eliminates the need to drop hydraulic pressure or break the hydraulic seal (sensor models GH and RH).• Compact sensing electronics available for short installation envelopes (sensor models LD and RD).
Sensors Used:	<ul style="list-style-type: none">• Temposonics LD, GH and RH (rod style) sensors.

All specifications are subject to change. Please contact MTS for specifications that are critical to your needs.

Part Number: 08-05 550860 Revision B
MTS and Temposonics are registered trademarks of MTS Systems Corporation. All other trademarks are the property of their respective owners.
All Temposonics sensors are covered by US patent number 5,545,984.
Additional patents are pending.
Printed in USA. Copyright © 2005 MTS Systems Corporation. All Rights Reserved.

UNITED STATES
MTS Systems Corporation
Sensors Division
3001 Sheldon Drive
Cary, NC 27513
Tel: (800) 633-7609
Fax: (919) 677-0200
(800) 498-4442
www.mtssensors.com
sensorsinfo@mts.com

GERMANY
MTS Sensor Technologie
GmbH & Co. KG
Auf dem Schüffel 9
D - 58513 Lüdenscheid
Tel: +49 / 23 51 / 95 87-0
Fax: +49 / 23 51 / 56 491
www.mtssensor.de
info@mtssensor.de

JAPAN
MTS Sensors Technology
Corporation
Ushikubo Bldg.
737 Aihara-cho, Machida-shi
Tokyo 194-0211, Japan
Tel: +81 (42) 775 / 3838
Fax: +81 (42) 775 / 5512
www.mtssensor.co.jp
info@mtssensor.co.jp