Technical Bulletin

Obsolescence of the hydraulic pressure switches and recommended replacement kit

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1 Introduction

The pressure switches used in IMS hydraulic watertight sliding doors has been discontinued by the manufacturer, and spare parts are no longer available. To keep your doors supportable, IMS has developed a rebuilding kit that replaces both pressure switches with a pressure transmitter and relays that replicate the original pressure switch signals. We recommend installing the kit on all affected doors.

2 Background

IMS Technologies has delivered hydraulic watertight sliding doors with a pressure switch as part of the door control system. The pressure switch is an essential component: it monitors the hydraulic pressure and controls the hydraulic pump. It ensures that sufficient pressure is available to operate the door as normal and, more importantly, to close the door in an emergency.

3 Affected product

This bulletin applies to IMS hydraulic watertight sliding doors equipped with a pressure switch and a low-pressure alarm-switch connected to relay-based or V2 control card. The pressure switches are no longer in production and spare parts are not available. The kit replaces the pressure switch and the low-pressure alarm-switch without requiring an upgrade of the control card. Doors with a V3 or V5 control system are already delivered with a pressure transmitter and are not affected.

This bulletin covers the pressure switch and low-pressure alarm switch only, which is two sensors connected to the control card. If your door has a V2 control card, IMS also recommends upgrading the control card itself; please see the separate bulletin EQS TB2026-10 - IMS WTD V2 Control card obsolete.

3.1 Identifying the pressure switch

The pressure switch is located on the watertight door with part number 36510008.



Figure 1. Pressure switch

3.2 Identifying the low-pressure alarm-switch

The pressure switch is located on the watertight door with part number 10023270.



Figure 1. Low-pressure alarm-switch.

Classification: Internal

4 Recommendation

4.1 Rebuilding kit

IMS recommends replacing the pressure switch with the IMS rebuilding kit, part no. 10087710 (Rebuilding kit, Pressure Switch/Pressure Transmitter). The kit replaces the pressure switch with a pressure transmitter and relays that replicate the original pressure switch signals. The transmitter can therefore be installed in place of the pressure switch and interfaces with the existing door control system, without upgrading the control card. As the pressure switch is an essential part of the door control system, IMS recommends using original spare parts.

5 Action required

We recommend that you check whether your doors are equipped with a pressure switch and order the rebuilding kit, part no. 10087710, for the affected doors. Customers who have already upgraded to a V5 control system are not affected, as these doors already have a pressure transmitter. For questions, quotations and orders, please contact IMS: spareparts@imstec.no

Classification: Internal