

Lubrication Remote Monitor LRM2

Monitors lubrication systems in difficult-to-access locations and provides communication between user and lubrication pump



LRM provides confidence that your equipment is being lubricated

SKF's LRM2 lubrication remote monitor is designed for use with lubrication systems that cannot be checked daily due to the nature or position of the specific application. Compatible with oil or grease, the monitor can be used on single-line, dual-line and progressive lubrication systems. The LRM2 can communicate with a pump or group of pumps on the same type of lubrication system.

LRM utilizes a SIM card similar to those found in cell phones and tablets to send and receive text messages via iOS or android mobile devices or via e-mail to a computer. The monitoring system can transmit alert messages to a random number of e-mail or mobile phone contacts. These contacts can be grouped based on the message type.

The LRM2 features two digital inputs and outputs and sends both low-level and fault messages. Also, the monitor can be used to start an additional lubrication cycle and can be reset by sending messages from the mobile device.

In addition, you can access system information by using your web browser without having to install special software.

The LRM is suitable for wind energy, railroad wayside, cable car and wastewater treatment applications, as well as other industries.

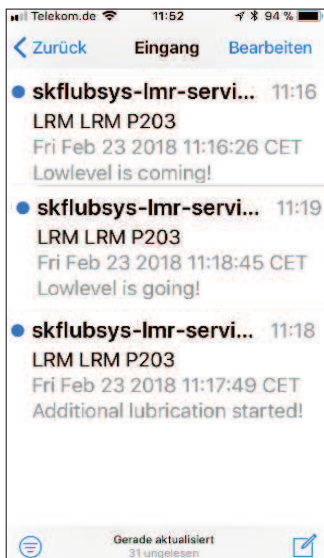
Features:

- Can be used on single-line, dual-line and progressive lubrication systems
- Two digital inputs and outputs
- Antenna is packed inside housing; optional external antenna can be ordered
- LRM2 module is available without housing for mounting in existing control box

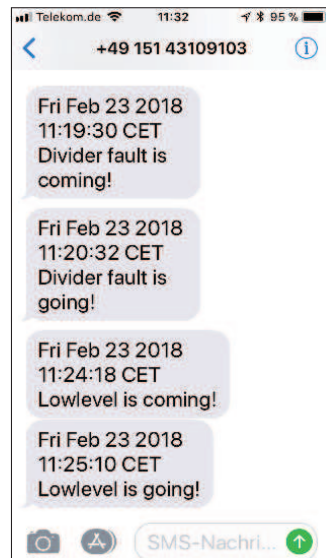
Advantages:

- Remote monitoring of lubrication systems
- Receives low-level and fault signals
- Can reset or restart lubrication system remotely
- Transmits alert messages to e-mails or mobile phone contacts
- No software installation required; utilizes web browser for system set-up
- Monitors up to three pumps on the same type of lubrication system
- Saves money by reducing need for onsite system checks

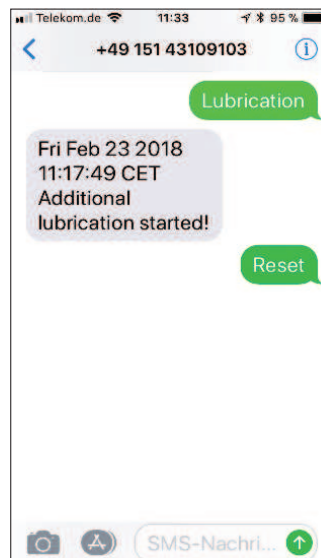
Message examples for a lubrication system with P203 pump



Example of e-mail messages and command



Example of SMS alerts



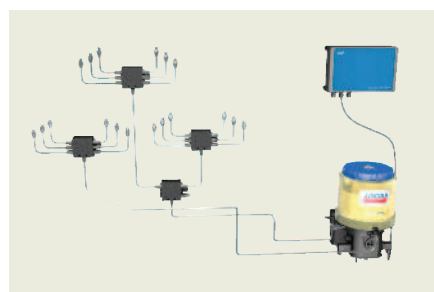
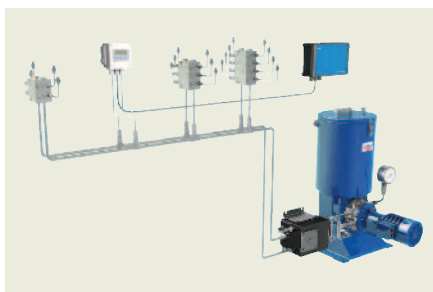
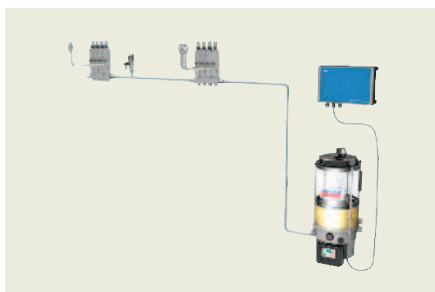
Example of SMS commands and confirmation message

Alert messages (input):

- Fault messages
- Low-level messages
- Successful lubrication (confirmation message)

Commands (output)

- Additional lubrication cycle
- Reset the LRM unit



For use on single-line, dual-line and progressive lubrication systems

Technical data

Operating temperature	–30 to +70 °C	–22 to +158 °F
Storage temperature	–40 to +70 °C	–40 to +158 °F
Air humidity	0–95%	
Protection class	IP 66	
Screwed cable gland	M16	
Clamping zone of cable strand	(ø) 4–10 mm	0.16–0.39 in
LRM2 clamping zone	0,25–2,5 mm	0.0098–0.098 in
Power supply	12–24 V DC (± 20%)	
Power consumption	max. 3 W	
Mounting position	any	
Min. installation space	420×220×350 mm	16.53×8.66×13.78 in
Dimensions		
LRM2 without enclosure	150×90×61 mm	5.9×3.5×2.4 in
Enclosure	271×171×262 mm	10.67×6.73×10.31 in

Description

Description	Part number
LRM2 only, with small antenna	236-13897-3
Enclosure only, without LRM2	237-11450-4
2G/3G Magnetic base antenna (3 m length)	236-11335-8

For more fittings and accessories see publication
→ **PUB LS/P2 15859 EN · 1-0103-EN**

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