

TECHNOLOGY WITH A FUTURE



*ORTOMAT-LC*

- Easy Installation
- Without software applications
- Waterleak by the magnetic activation displayed

## ORTOMAT-LC

### Functional and use of the Ortomat® LC:

The Ortomat-LC offers a simple and effective water leak monitoring of pressurised water systems. In pressurised water systems where there exists the danger of leaks, the system can be permanently monitored or temporarily checked for defects with this simple installation. The Ortomat-LC is designed so that it can be operated without hard or software for monitoring and analysis.

### Principle of monitoring system:

During the period when the lowest water consumption is expected ( between 02:00 hrs and 04:00 hrs), the Ortomat-LC records the sound structures in the water system using a highly sensitive vibration sensor. When no leaks are registered, the sound values are recorded as level 0. Should leaks be registered in the zone being monitored, the permanent sound level in the adapted Ortomat-LC will activate an alarm signal.

### Data evaluation:

The leak status can be read off effortlessly over the magnet activated integrated LED's.

LED green	No leakage
LED yellow	Information over radio status
LED red	Attention leakage

An additional communications possibility for the stored data that has been recorded is via the controller by radio transmission. The controller serves to produce a graphic representation of the recorded data on site and also as a data storage system. It is also responsible for the transfer of recorded data to the programming and analysis software.

### Installation in the network:

The installation of the equipment is by means of magnet adaptation. The Ortomat-LC can be installed on any location where a direct contact to the water pipe line is possible. A particularly uncomplicated installation may be made with the hydrants from the company vonRoll. The model 5401, Classic, HYtech and Hy+ are manufactured with a built in Ortomat holder. In cases where no hydrants are available, the installation may be by means of a slide rod, an underground hydrant or directly on the water pipe. There is a specified magnet adapter angle for optimal sound recording. With dimensions of just 28mm x 127mm and a protection factor of IP 68 almost all installation

### Programming:

The Ortomat-LC is supplied from the factory with the following standard programming.

**Monitoring time** :  
02:00 hrs to 04:00 hrs (variable)

**Monitoring interval:**  
5 min. (variable)

### Data evaluation:

LED leak display (up to 40 data inputs may be displayed)

The device can be installed directly as delivered from the manufacturer on the water network . There is no need for further adjustments or calibration.

### Programming and analysis software:

- The programming and analysis software allows complete adaptation to the required parameters.
- The data received from the controller can be stored, analysed and reported.
- The complete recorded data is written in the same file.
- In the case of multiple readings, the data is stored chronologically one after another by the software on the effective date when the reading was obtained.
- The recorded data can be compared over months or years.

The communication between the software and the Ortomat-LC is via radio through the integrated RFID module.



For questions, please contact us at the following telephone number or e-mail address:

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