

THE SYSTEMS FOR PREVENTING A WATER FLOW IN THE ROOMS

WATER LEAKAGE DETECTION RELAY LDW

The water leakage detection relay LDW is used to prevent water flooding in the room if there is water leakage in the plumbing system. The water leakage is detected on the floor with a water sensor.

Technical data:

Power supply – 12 VDC/1,5 A.
Motorized valve output – max 12 VDC/1,0 A.
Protection class – IP44.
Max. ambient temperature – 40°C.
Dimensions – 80x80x27 mm.

100%
TESTED

WATER LEAKAGE DETECTION SYSTEM LDRF WITH RADIO FREQUENCY

The water leakage detection system with radio frequency LDRF is used to prevent water flooding in the rooms if there is water leakage in the plumbing system. The water leakage is detecting on the floor with a humidity sensor.

Technical data:

LDCRF – controller of the water leakage detection system:

- Power supply – 12 VDC/1,5 A.
- Motorized valve output – max 12 VDC/1,0 A.
- Protection class – IP44.
- Max. ambient temperature – 40°C.
- Dimensions – 80x80x27 mm.

LDSRF – remote switch of the water leakage detection system:

- Power supply – 3 VDC, CR 2032.
- Protection class – IP44.
- Max. ambient temperature – 40°C.
- Dimensions – 82x82x11 mm.
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LDTRF – a transmitter of the water leakage detection system:

- Power supply – 5 VDC plugin adapter or 2xAAA 1,5 VDC.
- Protection class - IP44.
- Max. ambient temperature - 40°C.
- Dimensions – 129x40x25,5 mm.

LDHS – humidity sensor of the water leakage detection:

- Connector – 2,5 mm plug.
- Cable – 1,5 m.
- Dimensions – 150x19x0,8 mm.

WATER LEAKAGE DETECTION RELAY LDW

Functions:

- If the humidity sensor detects water leakage LDW gives a signal to close the motorized valve. After closing the valve the water supply is stopped. In this case, the LEDs CLOSE and ALARM will lit and an audible alarm will be ON.
- The valve can be closed manually by pressing the “▼” key. The LED CLOSE will indicate that the valve is closed. To open the valve press key “▲”. The LED OPEN will indicate the valve is opened. The LED OPEN will lit also in normal conditions when no water leakage detected.
- After water leakage is fixed or to reset LDW after a fault, press the “▲” key.
- LDW has valve training function. A time interval from training to training is 1 week. Time interval calculation starts after the power supply connection, and the next training starts at the same time after exactly 1 week.

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Functions:

- If the humidity sensor LDHS detects a water leakage, the controller LDCRF gives a signal to close the motorized valve. When the valve is closed the water supply stops. In this case, the LEDs CLOSE and ALARM1..6, (depending on where the leakage happened) will lit and an audible alarm will be ON. The valve can be closed manually with the LDCRF. Press the key CLOSE and confirm with the middle key to close the valve manually. The LED CLOSE will indicate the valve is closing. To open the valve press the key OPEN on the LDCRF, and confirm with the middle key. The LED OPEN will indicate the valve is opening. The LED OPEN will lit also in normal conditions when there is no water leakage detected.
- It is possible to close and open the valve with remote switch LDRF of a water leakage detection system.
- Humidity sensor LDHS is connected to the wireless transmitter LDTRF. When humidity sensor LDHS detects water leakage, transmitter LDTRF sends a radio frequency signal to the controller LDCRF to shut the valve. Water leakage also can be detected only with the transmitter LDTRF without connected humidity sensor LDHS. Transmitter LDTRF has installed contacts on the backside for water leakage detection. If humidity sensor is not used, transmitter LDTRF must be placed contacts downward on the ground for water leakage detection
- After water leakage is fixed or to reset after a fault, press the left key and then the middle key to confirm.
- LDCRF has valve training function. A time interval from training to training is 1 week. Time interval calculation starts after the power supply connection, and the next training starts at the same time after exactly 1 week.

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