

NEW

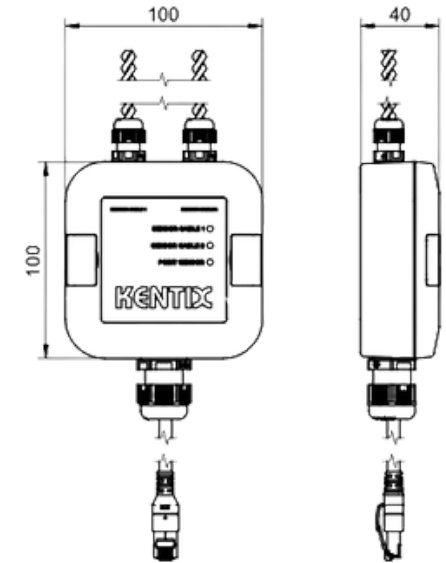
Network Leakage Sensor

The leakage sensor connects to the network via Ethernet (PoE) and can be easily integrated into KentixONE. It can also be used as a stand-alone device and is compatible with third-party monitoring systems via SNMP or REST API. The sensor has two cables with integrated sensors that detect water ingress along the entire cable at an early stage. Three detection channels make it easy to identify leaks along the sensors. Two different lengths of sensor cable are available.



Products

Type	Sensor cable length	SKU
Ethernet Leakage sensor	2x 10 m	KLS-ETH-02-10
Ethernet Leakage sensor	2x 20 m	KLS-ETH-02-20



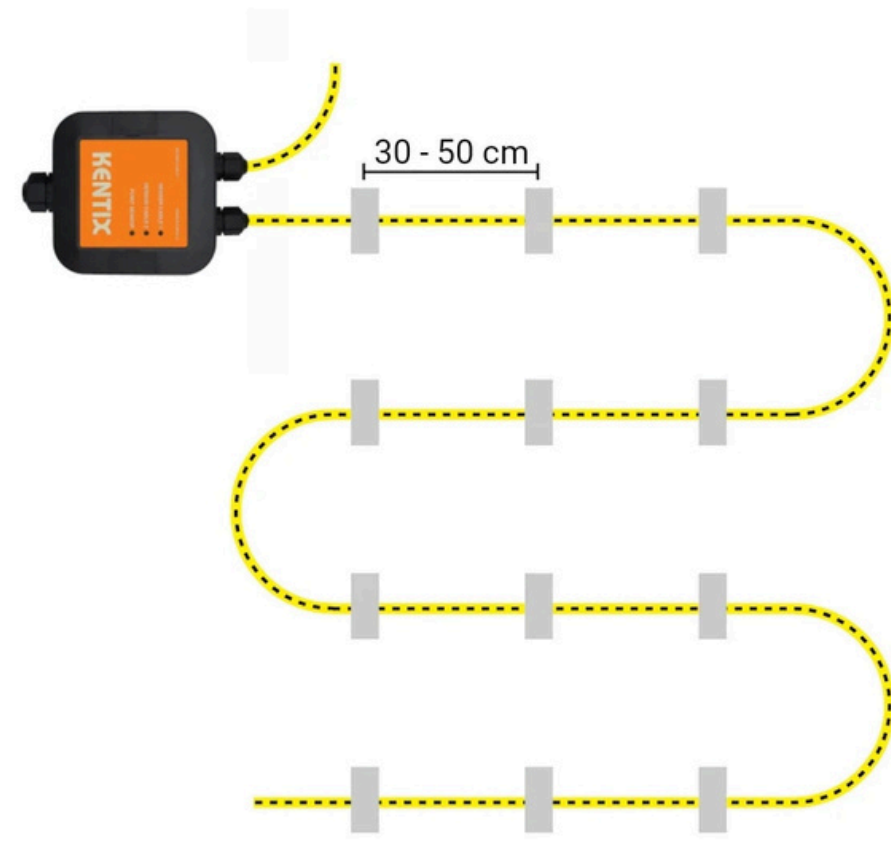
Technical details

Connection	10/100MBit Ethernet with PoE (Class 2)
Power supply	Power over Ethernet (PoE)
Status LED	RED/GREEN
Temperature range	0 °C to +50 °C, max. 85% rH, non-condensing
Connection cable	10m Ethernet cable
Point sensor at chassis	Sensitivity: approx. 5 ml water of a 5x5cm area
Rope sensor	Conductive polymer cable, sensitivity: 5 ml water over a length of approx. 10 cm
Sensitivity	Adjustable sensitivity via software
Chassis	ABS color anthrazite, IP67 according to EN60529
Weight	ca.750 g (KLS-ETH-2-10), 1.000g (KLS-ETH-2-20)
Size	100 x 100 x 40 mm
Scope of delivery	Leakage sensor, 10 m Ethernet cable, mounting material for sensor-cable

Leakage detection with sensor cable

In addition to the point sensor on the main chassis, the leakage sensor has detection lines based on sensor cables. This makes it possible to monitor a floor area. In this case, the entire sensor cable acts as a detector, enabling leaks to be detected over a distance of up to 20 metres with a single sensor. The sensor cable is usually laid in loops across the floor in a meandering pattern. The cable of the leakage sensor must be fixed to the floor.

A number of cable mount clips are provided with each sensor and can be glued to the floor with silicone. The distance between each clamp should be around 50 cm. Alternatively, the sensor cable can be fixed at the same intervals by using high-quality adhesive tape strips. In both cases, it is important that the sensor cable rests flat on the floor over its entire length.



Detection and sensitivity

The housing sensor is triggered by a small amount of water (about 3–5 ml) over an area of 5 x 5 cm. As a test, you can also trigger the sensor by wiping it with a wet cloth. The sensor cable requires slightly more liquid to trigger. Approximately 5 ml of water over a length of 10 cm is required. Several areas can be wetted, but the total wetted area must be approximately 10 cm.