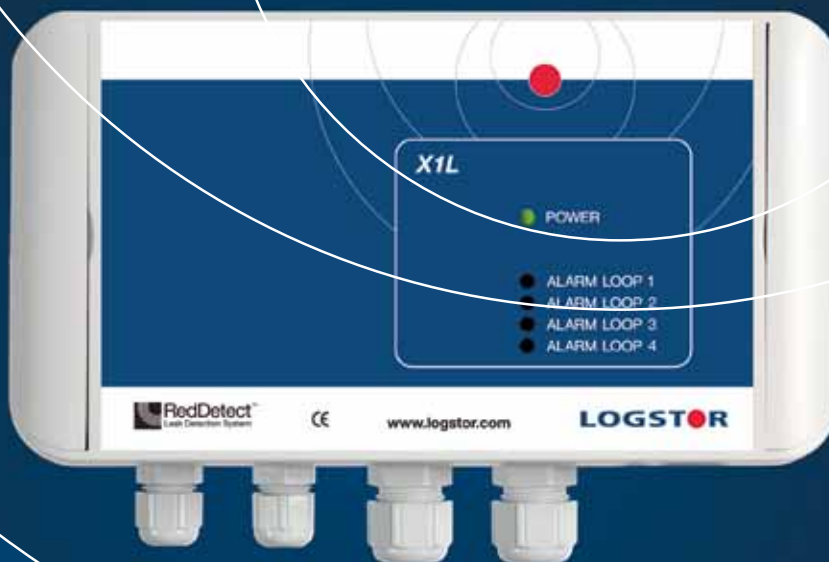


# LOGSTOR *Detect*



## RedDetect™ X1L - for the surveillance of district heating pipe networks

The X1L surveillance unit uses resistance measurement to monitor pre-insulated district heating pipe networks. The X1L unit features LAN and/or GPRS modem relay outputs for the transmission of measurement values, if appropriate, and can be used with the RedDetect™ XTool graphic surveillance software.

The surveillance unit is linked to the two un-insulated copper wires in the pipe network. It monitors ohmic resistance to provide information about moisture which may have penetrated the pipe network from the surrounding soil or leaked from the service pipe.

In addition, the X1L features a built-in function to register any breaks in the alarm wires or short-circuits in the system.

Four versions are available:





- X1L - The standard unit, with a transformer-based power supply and LAN module.
- X1L-B - As the X1L, with power supply from a lithium battery.
- X1L-G - As the X1L, with a built-in GPRS communication system.
- X1L-BG - As the X1L, with a built-in GPRS communication system and lithium battery.

The four versions can be used for systems with installation or coaxial cables.

● distributing energy efficiency

# LOGSTOR *Detect*

RedDetect™ X1L - Technical data	
Weight	0.5 kg
Dimensions	L x W x H: 200 x 110 x 60 mm
Range	4 x 7,000 m – wires, 8 channels (4 loops)
Measurement range – Insulation	1 Kohm – 1 Mohm
Alarm transmitter	Optical and acoustic – and, with XTool software, relay output
Signal	Network, GPRS, fibre
Encapsulation	Polycarbonate, halogen-free – IP 66
Range of application	-20°C – +70°C
Power supply	Transformer 110/230 V AC, 12 V DC – or battery
Power consumption	< 50 µA
Placement	Indoors or in a terrain cabinet
CE approved	

Type	Properties	Accessories	
X1L	Standard, as described above.	Transformer Included	
X1L-B	As the X1L, but with a lithium battery instead of a transformer. In normal conditions, the battery service life is more than eight years.	Battery Included	
X1L-G	As the X1L but with built-in GPRS unit.	Antenna Included	
X1L-BG	As the X1L-G, but with a lithium battery instead of a transformer. Includes monitoring of the battery voltage.	As B and G	
	Graphic software	XTool To be ordered separately	

● distributing energy efficiency