

Mills Limited Unit 2, Zodiac Business Park, High Road, Cowley Uxbridge UB8 2GU

Contact us on: Tel: 020 8833 2626 Fax: 020 8833 2600 Email: sales@millsltd.com Company No. 00282704 VAT No. 227082574

Tempo OM-05 Omnimarker II Telephone

Product Images

Product Code: C00-4117



Unclear cartography, old uncharted connections, etc. and lack of knowledge of the location of underground networks can lead to considerable damage every year: pollution of the environment, health risks for workers, disruption to residents, floods, electrocution, etc.

Plastic pipes and other non-conductive services are especially difficult to locate normally, but with markers you can quickly and easily resolve all these issues.

Passive markers are an essential tool for network asset management. They are buried alongside new networks as they are deployed or during maintenance work.

Used for marking the network and its key points (connections, elbow, depth or direction change), they have demonstrated their unique ability to precisely locate and identify the network location regardless of the type of the soil in which they are buried (earth, sand, concrete, etc.).

Passive markers can be identified in the presence of power supply networks, metal pipes, grids and other passive markers, provided that the installation conditions are met. Red for electricity, blue for water, etc. these markers with several different colours and frequencies save time, optimize human and material resources and help avoid costly maintenance errors.

The passive marker uses a magnetic antenna. It consists of an inductive coil acting as an antenna and capacitance allowing the LC circuit to resonate at the precise working frequency. Tempo Communications markers are passive antennas with no power or active components. The marker derives its energy from the magnetic field of the detector. Their housing is made of the same highdensity polyethylene as the majority of buried plant, very robust, waterproof, and resistant to the action of chemicals and temperature hazards. The markers are interoperable since they operate on welldefined frequencies according to industry standards: 145.7 kHz for drinking water, 101.4 kHz for telecommunications, 83 kHz for gas, etc.

The markers are detected by induction (without contact, from above the surface). This non-intrusive technique makes it possible to locate all pipelines, regardless of their nature. This enhances the quality of any survey carried out before work; helping to reduce confusion and enhance safety. By positioning them throughout the network and using complementary solutions (marker detector and GPS plus GIS database), they can be mapped, point by point, with GPS coordinates (X,Y) and the depth of the network (Z).

Description

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