

EZiDIG

Excavator mounted cable location system

Award
winning



EZiDIG provides an extra level of protection during excavation projects, protecting your workforce and equipment by significantly reducing the chance of cable strikes.

Excavation teams rely heavily on accurate ground surveys and CAT scanning to locate buried utilities prior to excavation.

Even with comprehensive maps and adequate ground surveys; human error is still a possibility in all processes, resulting in some buried services being undetected.

Typically ground surveys are conducted and the ground is marked to indicate the location of buried services. As the excavation begins, these markings may be removed or obscured.

This can be overcome by surveying the trench during the digging process – placing a surveyor or banksman directly into the hazardous excavation area.

This slows work and poses a significant health and safety risk.

EZiDIG is specifically designed to overcome these issues within the excavation process by providing the machine operator with a continuous warning to the presence of buried metallic services beneath the excavator bucket.

EZiDIG removes the surveyor/banksman from the trench and ensures excavation teams can dig with confidence.

EZiDIG System Benefits

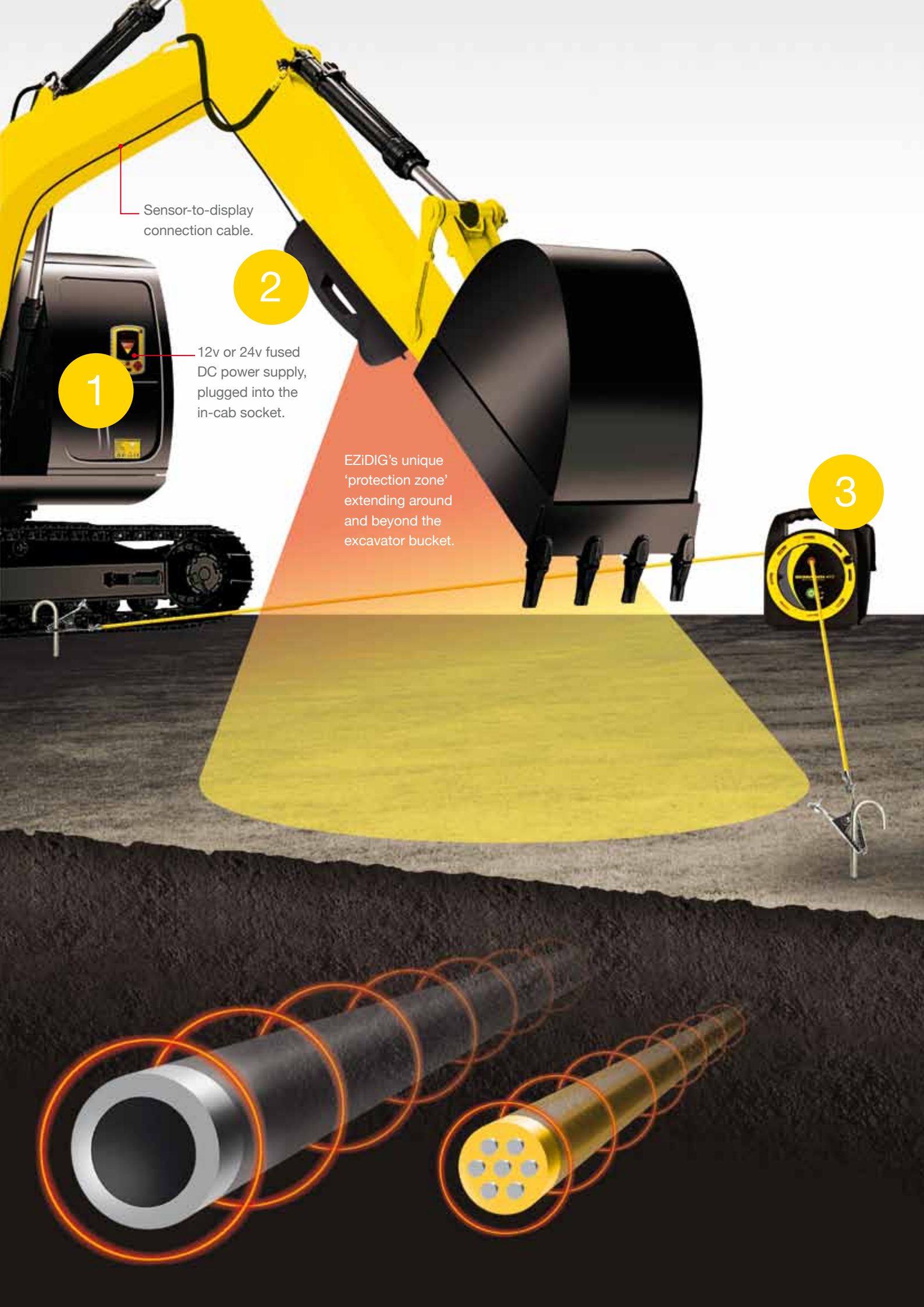
Maintenance and repair of construction equipment is an increasing cost to equipment owners and fleet managers.

Utility damage impacts the smooth running of site operations and creates additional and avoidable repair costs.

EZiDIG is an investment which increases site safety and reduces costs without sacrificing productivity!

- Excavate with Confidence
- Reduce Cable Strikes
- Reduce Costs
- Increase Site Safety
- Increase Productivity





Sensor-to-display connection cable.

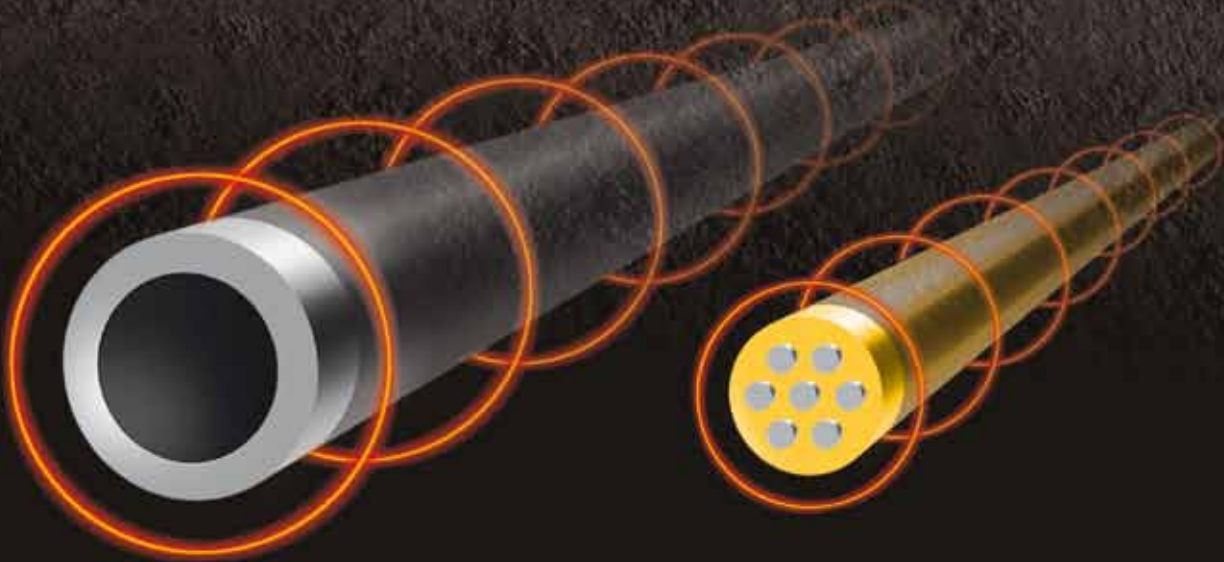
2

12v or 24v fused DC power supply, plugged into the in-cab socket.

1

EZiDIG's unique 'protection zone' extending around and beyond the excavator bucket.

3



EZiDIG System Overview

The EZiDIG system is made of three core components:

1

EZiDIG Display

The EZiDIG in-cab display alerts the operator to buried hazards with an audible and visual warning, preventing cable strikes.

Large Full Colour Screen

With a vivid 4" screen, users can clearly see buried dangers as they excavate.

Flexible Mounting System

Every display comes complete with a suction RAM mount to secure the display screen to the excavator windscreen. It also comes with a mounting bracket for excavators with open cabs.

Concentrate on the Excavation

Once initial setup is complete, EZiDIG needs no user intervention to operate – it couldn't be easier!

Configurable User Settings

To suit different machine requirements and user preferences.



2

EZiDIG Sensor

The EZiDIG sensor provides a unique 'protection zone' around and beyond the excavator bucket, detecting buried services beneath.

Combined Detection Mode

There is no need to switch detection modes with EZiDIG – the sensor receives power, radio and generator signals simultaneously.

360° Detection

With a unique aerial configuration EZiDIG can detect signals from services in all directions.

Magnetically Mounted

For fast installation and quick removal for overnight security.

Rugged Design

EZiDIG's clever electronics are well protected in the tough plastic housing, perfect for tough on-site conditions.



3

EZiSEARCH

EZiSEARCH assists the EZiDIG sensor by improving the detection reliability across the excavation area.

Increase Performance

Boost the level of detectable signals within an area increasing the accuracy of location.

Locate 'Tricky' Services

Balanced cables, short cables, nonenergised cables can become detectable with EZiSEARCH.

Full Coverage

There is no need to connect EZiSEARCH to an individual service as it can extend across the entire excavation area.

Easy to Use

With only one button, EZiSEARCH couldn't be simpler!



EZiSEARCH

is a new unique signal injection system which increases the performance of EZiDIG, ensuring you get the maximum from the system – detecting a range of hazardous buried services.

EZiDIG Specifications		
Sensor Dimensions	570 x 170 x 180mm (22.5 x 6.7 x 7in)	
Sensor Weight	5.7kg (12.44 lbs)	
Sensor Mounting	Dual Magnetic	
Service Detection Direction	360° Omnidirectional	
Operating Frequencies	Power Signals	50Hz – 1.5kHz
	Radio Signals	15kHz – 33kHz
	Generated Signals	33kHz
Sensor Protection	Conforms to IP69	
Display Screen Protection	Conforms to IP54	

Service and Calibration

Cable Detection strongly recommends that the EZiDIG sensor is regularly serviced and calibrated every 12 months by our specialist service centre.

Training and Support

EZiDIG Operator training is available from our own qualified trainers, or via our approved dealers. Please call us for more information.



The EZiDIG system can now be specified on the new **JCB 801X** utility excavators.

Leica
Geosystems



The EZiDIG system can now fully integrate with selected **Leica PowerDigger machine control systems**, providing the added functionality of cable location with precision excavator guidance.



Dealer stamp: