



# FLS

## Fiber Optic Locate System



# FLS (Fiber Optic Locate System)

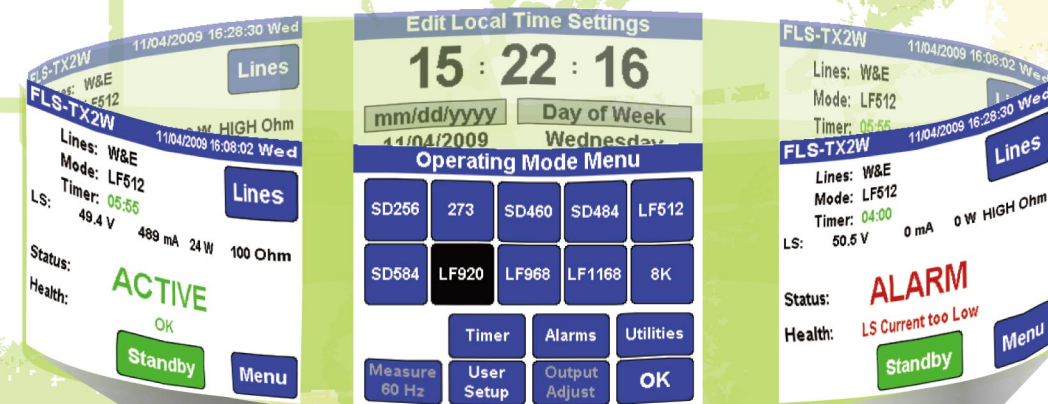
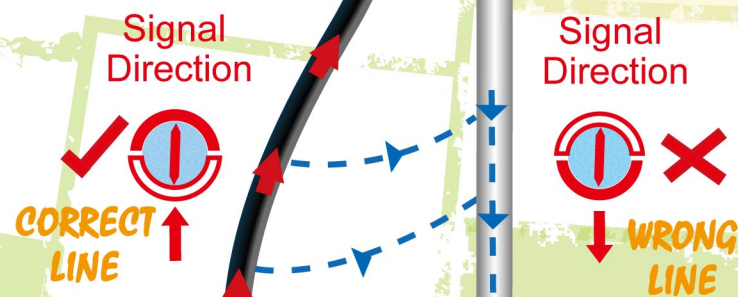
The **FLS** system increases revenue by increasing customer loyalty. It's a critical component in the fiber support network, striving to reduce maintenance costs and downtime caused by third party damage, whilst increasing workplace efficiency and system reliability.

## Rack Mounted

At the heart of the **FLS** system is the transmitter. This high power locate tone source is typically mounted in a regen station. Powered by locally available power supplies, the transmitter energises the sheath of the fiber over vast distances.

## Reduce Costs

- ▶ Reduce locate/response time
  - No need to travel to transmitter site, just travel to locate zone.
  - Locate tone can be applied to any section of fiber with just a single phone call to the permanently sited transmitter.
- ▶ Increase accuracy, reduce miss-locates
  - Carefully managed transmitter sites and electrical grounding mean that the locate tone is applied to the correct line, every time.
  - Near perfect grounding at regen stations ensure maximum locate tone efficiency.
  - Signal Direction tone ensures the correct line is located.
- ▶ Reduce equipment count
  - Permanently installed transmitters mean that field operatives need only carry the Receiver. One transmitter can support an area of hundreds of kilometres/miles.
  - Free up space in the support vehicle.



## FLS-TX2W



## FLS-TX4W



## FLS-TX16W



## Increase Revenue

- ▶ Preventing damage, whether by the owner or third parties is essential to increase customer loyalty.
- ▶ Fast and efficient identification of lines, reduces the window of potential danger presented by construction activity near a fiber optic line.
- ▶ A dedicated protection system boosts investor confidence.

## Remote Control

The transmitter is activated via standard cellular telephones. Activation codes ensure no unauthorised access. The locate tone allows the operator to pinpoint the position of the fiber using a highly sensitive and selective receiver, anywhere along the length of the cable.

Fiber Optics





# FLS Features

## Transmitter

- ▶ Permanently installed
- ▶ Rack mounted
- ▶ Powerful 50W signal
- ▶ Switchcard multiplexing (optional)
- ▶ Hand held touch sensitive display unit
- ▶ RS232C port, modem and simple telemetry interface
- ▶ Auto impedance matching

## Remote Interrogation and Control

- ▶ PC/laptop with modem
- ▶ Telephone operation

## Cable Location and Identification

- ▶ Signal direction
- ▶ Choice of frequencies

For more information contact :



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