Loop Diagnostic Tool
7000M+ / 7000M / 7000-1MC panels
Advanced Fire Loop Diagnostics for Addressable Systems

Description

Diagnostic solution for addressable fire loops designed by UniPOS.
Helps identify:

- Short circuits
- Loop breaks
- Earth faults
- High impedance
- Communication failures

System Components

- Diagnostic Loop Controller (DLC) – enhanced firmware
- DinCommunicator – USB-RS485 interface
- ComHelper – Loop Diagnostic Software for PC

Key Features & Diagnostic Capabilities

USB plug-and-play connection	Short circuits, loop breaks, power loss
Autoaddressing and manual loop inspection	Missing devices or unstable conditions
Earth fault detection	Earth faults at specific addresses
Visual LED control on devices	High impedance or line resistance issues
Dual-loop operation (Loop A / Loop B)	Unidirectional communication failures
Loop emulation & power state simulation	Addressing problems or inconsistent loops

Software Interface & Loop Commands

Serial port selection and connection via USB	Module search and device discovery
Status indicators: Connected/Disconnected	Control options: Autoaddressing, Earth fault check, Reverse test
Live diagnostics of RS-485 communication	Force device LED ON/OFF for physical locating
Loop Operating States control	Full operation with polling devices, device detection

Benefits:

✓ Rapid fault localization
✓ Efficient loop commissioning
✓ Compatible with systems 7000M+, 7000M and 7000-1MC
✓ Reduces service time and troubleshooting efforts
✓ Provides deeper visibility compared to standard controllers