



## *Service program Lanserv Plus*

Many parameters and features of the microprocessor controlled devices of EKTA are programmable by the individual, installing and/or servicing the systems. For doing this, a personal computer and a dedicated service program, called Lanserv Plus are needed. Lanserv Plus is executable on any PC-compatible computer, running under the operating system MS Windows95 or 98.

## *Features*

### **Main initial set-up of devices**

- local LAN addresses
- flashing characters
- normal, warning and emergency voltage levels of power supplies
- photo sensor switching levels
- nominal voltage level of lamps or LEDs
- dial-up phone numbers
- lampchanger settings
- time schedule of communication with the control and monitoring centre
- synchronizing parameters of leading lights

### **Servicing the working system**

- scanning the devices, connected within the local area network of the system in order to check the system integrity
- reading and checking of the initial settings of devices
- changing the settings of devices, if needed
- reading status information of devices
- reading and analyzing errors of devices
- reading statistics

The screenshot shows a software window titled "LocalDus Service: Dataphone & GPS interface". The window has a menu bar with "File", "Setup", "Statistics", "Action", "Dataphone", "GPS Interface", "Port", and "Help". Below the menu bar is a toolbar with several icons. The main area contains a table with the following data:

#	Address	Common addr	Device	Program ID	Identifier	Location	Slots
1	1	24,26	Dataphone	E24T1030 s	CC924000	C208	
2	2	--,--	GPS controller	E01T1011 O	CC03:017		-----
3	3	29,31	Lamp Flasher	E03T2016 r	E7865252	Test-PL-1.208 K	Flash ,pk
4							
5							
6							
7							
8							
9							

At the bottom of the window, there is a status bar with the text "Rest an value = 3".

*Screenshot of system scan results*

## Specification

### System requirements

a PC-compatible computer (desktop or laptop)  
 at least 16 MB of RAM  
 ports: 1 serial port, 1 parallel port  
 at least 20 MB of free disk space  
 operating system MS Windows95 or 98

### Supported devices

-of the system E601, E603:  
 flashers: E82061, E862, E863, E864;  
 communication controllers:  
 E9202, E923, E924; E925  
 GPS controllers: E931, E934;  
 measurement modules E304, E304.1;  
 -of the system E602:  
 flasher: E175,  
 AC/AD converter E174,  
 Diesel generator controller E177  
 International lantern TRB-400 (Tideland)

### Connection the PC to the devices

-of the system E601, E603:  
 using LAN adapter type E814(RS485)  
 -of the system E602:  
 using LAN converter type E401 (Echelon)

**Security**

provided by user names and passwords to  
be entered on program entry

LANSERV-20012302