



DiaLog Scout PLC

Alarm, Monitor and Control

The dependable, low-cost, easy-to-use
alarming and notification system



The easy-to-use DiaLog Scout PLC provides a low-cost remote monitoring solution that is dependable and reliable — everything you want in an alarm notification system with the flexibility of a PLC and power to control the systems you're monitoring.

It's an autodialer and much more! Unique features of the DiaLog Scout PLC include local and remote programming, remote access to register values for control, monitoring of digital and analog inputs, user programmable voice messages and internal battery backup. The Scout even calls you when its time to replace the battery — so you will not miss critical alarms when the power goes out. Extensive solid-state surge protection is provided on the power, phone and all input lines so you do not have to replace fuses.

Simple Set-Up

Programming options are described on the keypad legend. The digital display and voice prompts guide operators through each step.

Features

- Integral keypad & LCD display
- Monitor/access 12 or 24 PLC/Modbus registers
- Panel or flush mount
- Modify Modbus registers
- Event log
- Modbus Master

Alarm Notification

- Phone, cell or pager
- User-recorded message for each input
- 8-phone number dial-out list
- Power failure
- Low battery

Remote Operations

- Call in for status
- Call in to acknowledge alarms
- Call in to program phone numbers and channel mode
- Control relays and analog set points

Available Options

- NEMA 4X enclosure
- Cell phone

**Just three simple connections —
phone, power, and PLC!**





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Performance Specifications

Model Number

SPLC 12 12-PLC/Modbus registers
 SPLC 24 24-PLC/Modbus registers

All models include: UL power supply, 12-hour backup battery with charger, LCD display and keypad.



Physical Characteristics

- 9-pin RS232 connector
- 9-15VDC at 300ma (included)
- 12-hour internal backup battery (included)
- Metal enclosure dimensions
 - Front panel: 9.34"W x 7.22"H
 - Enclosure: 8.2"W x 5.2"H x 2.3"D
- Operating temperature
 - 0° – 70°C (32° – 158°F)

Programming made simple.

All programmable options are conveniently displayed on the front panel LCD and can be set through the keypad. The system automatically presents setup options one-by-one for ease-of-use by novice operators. Shortcuts let advanced users go directly to the option they want to change. Voice alarm messages can be customized using the integrated front-panel microphone.

Historical event logging

All alarms, call-outs, and acknowledgements are available in the internal log that stores the last 100 events. These are easily retrieved locally or remotely by telephone.

Checking system status

The state of registers and the Scout itself can be checked locally through the "Status" button — with results presented on the display and spoken through the front panel speaker. The Scout can also report the status of all items remotely by telephone.

Remotely control devices

Just dial into the Scout and enter your access code. Menu prompts guide you through the process of setting any coil and/or holding register value.

What type of alarms can be monitored and how are they acknowledged?

Dry contact or digital inputs can be monitored for on/off conditions. Analog inputs may be monitored for high or low conditions. Power failure and low battery alarms are monitored internally, independent of digital or analog inputs. When an alarm occurs, the DiaLog Scout begins its calling sequence to the 8 pre-programmed phone numbers on the list.

Alarms are acknowledged either locally, remotely via touch-tone phone or by calling into the Scout.

System status can be easily obtained by calling into the DiaLog Scout remotely over the phone or locally by pressing the "Status" button. System status is confirmed locally via the speaker and visually on the display.

Can the Scout control remote devices?

Yes — just dial into Scout and enter your access code. Then key in settings for coils and/or holding registers.

RTU Communication with Scout PLC as Modbus Master

