



Combined hour meter and alarm transmitter

TimeLog facilitates reading of hour meters and control of machines, wherever they may be.

TimeLog

ComLink's TimeLog is a GSM based hour meter which facilitates remote reading of operating hours on various machines. The unit can also call for maintenance according to a set service interval.

TimeLog is also equipped with alarm inputs. When triggered the inputs generate alarm messages which can be defined by the user.

Alarms via SMS

TimeLog communicates through text messages, which can be sent to a mobile phone or a service computer. The information can be relayed by the service computer to the parties concerned via e-mail, SMS, Fax, txt files et cetera.

Broad supply voltage range

TimeLog can be run on supply voltages from 9–28V DC (29–80V DC as an extra option)

Hour meter

The unit is equipped with two inputs which can trigger the hour meter. The accumulated time is stored in a nonvolatile memory.

Upon installation, the TimeLog's can be synchronised with the machine's existing operation hour meter.

3 Alarm inputs

The TimeLog also has three alarm inputs which can be connected to various sensors. Alarms can e.g. be sent for low oil pressure or high water temperature.

Both N/C and N/O sensors may be used.

2 Relay outputs

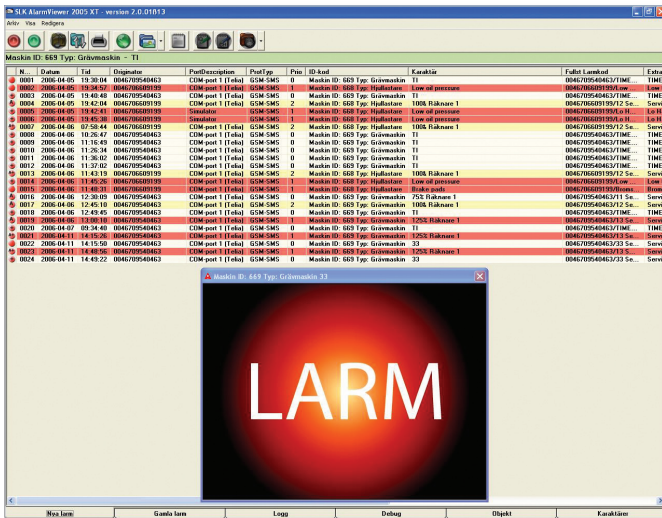
The unit's two relay outputs are remotely controlled via SMS. They could be used to activate or switch off different equipment on the machine.

Reading the hour meter

The hour meter is read by an SMS or e-mail; information about accumulated operating hours, service interval and remaining time to service is returned as an SMS to a mobile phone or a service computer.

Service interval

The service interval settings can be sent to the unit via SMS. When the interval is reached, the unit calls for maintenance by sending a message to a mobile phone or a service computer. After the maintenance, the service interval meter can be reset.



PC-programme

A specifically developed PC software is available for easy administration of machine objects. The programme handles and forwards the alarms to appropriate recipients. The units are stored in the system with accompanying information about the objects.

The programme can automatically read the hour meter according to a set interval. The system is also able to generate files with machine object numbers and current operation time, to be used as basis for invoicing.

Alarms may be forwarded to the chosen recipients via SMS, e-mail, fax, txt file, web et cetera.

Configuration

The unit can either be configured previous to installation, or when installed on the machine. The settings are easily made with the accompanying PC-programme TimeLog Config Tool. Most settings can also be done remotely, via SMS.

Positioning

The TimeLog can be positioned via the GSM-network.

GSM subscription

All types of GSM subscriptions supporting SMS can be used. Most service providers have subscriptions with very low fixed costs.

Miscellaneous

The unit may be adapted for integration into an existing system.

Teknisk information

Power supply

- Voltage range
9–28V DC/AC (29–80V optional)
- Current consumption nom:
25mA@12V DC
- Current consumption max:
1A@12V DC
- Operating temperature:
–20 – +55°C

GSM

- Tri-Band
GSM/GPRS 900/1800/1900 MHz

Connections

- 2 hour meter inputs, 4–28V DC
- 3 alarm inputs, 4–28V DC
- 2 relay outputs, max. 1A@24V
- Serial RS232 9-pol.

Size

- L x W x H
67 x 67 x 42 mm

Weight

- 140g in aluminium casing

Mounting

- Mount on DIN rail alternatively with screws

Accessories

- GSM Antenna
- User manual
- PC-programme Config Tool

Optional accessories

- Internal battery back-up
- Casing IP65
- Cabling for 29–80V DC systems