

GJD-L3C

Change of Alarm Settings

To be able to change alarm levels, analog output, measuring range etc. it is necessary to connect a computer to the GJD-L3C monitor by using a communication cable from Geopal System A/S.

1. Terminal program for communicating with GJD-L3C Alarm Monitor

Please refer to Geopal manual "Installation of Terminal Program Tera Term" for information of download and installation of Tera Term and required communication cables.

Tera Term is a free ware and can be downloaded from the internet.

2. Connect cable

Connect cable to RJ45 connector



```
ID: ES15003A_0
Main Menu
1: Calibration
2: Alarm & Fault
3: Analog Output
4: Display
Esc: > Exit
□
```

Enter menu (ES15003A_0 is software version)



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PENDING ITS-I 23ATEXQ36745 DBI reg. no 233.301 DIC444QMS

3. Calibration

```
ID: ES15003A_0
Calibration Settings
1: Measuring Range
2: Ga
3: Va
4: Vo
5: Cal
6: WUT
Esc: > Exit
```

Calibration settings

1. Measuring Range 0-9999. (below ex. Is range 0-2000)
2. Ga: 25.00-99.99 % (calibration point, percentage of full range) in below example Ga is 50% meaning that calibration gas must be 1000 to reach a range of 0-2000, if calibration gas is 2000 Ga must be changed to 100.0 etc.
3. Va: Span (V) point from latest span calibration
4. Vo: Zero (V) point from latest zero calibration
5. Calibration using the computer instead of the press bottom
6. Warm up time (factory setting)

```
ID: ES15003A_0
Calibration Settings
1: > Measuring Range
2: Ga
3: Va
4: Vo
5: Cal
6: WUT
Esc: Exit
Measuring Range = 2000 [0 - 9999]
```

```
ID: ES15003A_0
Calibration Settings
1: Measuring Range
2: > Ga
3: Va
4: Vo
5: Cal
6: WUT
Esc: Exit
Ga = 050.0 [%FS]
```

4. Alarm & Fault

```
ID: ES15003A_0
Main Menu
1: Calibration
2: Alarm & Fault
3: Analog Output
4: Display
Esc: > Exit
□
```

```
ID: ES15003A_0
Alarm Settings
1: A1
2: A1 off
3: A2
4: A2 off
5: Fault
6: Fault off
Esc: > Exit
```

1. A1: Low alarm ex. 025.0 %FS (monitor relays will be activate reaching, 25% of full range)
2. A1 off: Reset level for low alarm ex. 015.0 %FS
3. A2: High alarm ex. 050.0 %FS (monitor relays will be activate reaching, 50% of full range)
4. A2 off: Reset level for high alarm ex. 040.0 %FS
5. Fault: 050.0 %Vo, if the zero output from the detector drops below 50% of the value in Vo, monitor goes into fault
6. Fault off: Reset level for fault ex. 75.0 %Vo.

5. Analog Output

```
ID: ES15003A_0
Main Menu
1: Calibration
2: Alarm & Fault
3: > Analog Output
4: Display
Esc: Exit
Analog Output = 0001 [0000: Volt, 0001: mA, 0100: adjust]
```

0000: Volt (0-5V / 0-10V, is set on dep switch, see manual)

0001: mA (4-20 mA)

0100: Full scale output 20 mA/10 V, used to check correct settings ex. In receiving PLC

6. Display

Name of detected gas and unit. (%LEL, ppm, Vol.-%).