

## iLOG - TCP/IP Socket & SMS Commands

### Viewing & commissioning

| Category                         | TCP/IP | SMS | Code   | Description                                    |
|----------------------------------|--------|-----|--------|--|
| ComTest                          | ✓      | ✓   | 0000   | Echo   |
| Station Characteristics          | ✓      | ✓   | 0001   | Get Station Name                               |
|                                  | ✓      | ✓   | 0002   | Get Station Description                        |
|                                  | ✓      | ✓   | 0003   | Get Firmware Version                           |
| AI Properties                    | ✓      | ✓   | 0020   | Get Logged AI Channels                         |
|                                  | ✓      | ✓   | 0021   | Get AI Channel Descriptions                    |
|                                  | ✓      | ✓   | 0022   | Get Channel Units                              |
|                                  | ✓      | ✓   | 0023   | Get Channel Scales                             |
|                                  | ✓      | ✓   | 0024   | Get Channel Sensor Scales                      |
|                                  | ✓      | ✓   | 0025   | Get Channel Calibration Values                 |
|                                  | ✓      | ✓   | 0026   | Get Channel Gain                               |
| DI Properties                    | ✓      | ✓   | 0040   | Get DI Channel Usage                           |
|                                  | ✓      | ✓   | 0041   | Get DI Channel Descriptions                    |
| DO Properties                    | ✓      | ✓   | 0050   | Get DO Mode                                    |
| Logging Parameters               | ✓      | ✓   | 0060   | Get Log Mode                                   |
|                                  | ✓      | ✓   | 0061   | Get Log Value                                  |
|                                  | ✓      | ✓   | 0062   | Get Log Rate                                   |
| Alarm Parameters                 | ✓      | ✓   | 0070   | Get Alarm Info Mode                            |
|                                  | ✓      | ✓   | 0071   | Get Alarm Levels                               |
|                                  | ✓      | ✓   | 0072   | Get Alarm Mode                                 |
|                                  | ✓      | ✓   | 0073   | Get Alarm Delay                                |
|                                  | ✓      | ✓   | 0074   | Get Dead Band                                  |
|                                  | ✓      | ✓   | 0075   | Get Prealarm                                   |
| Counter                          | ✓      | ✓   | 0090   | Get Counter Scale Factors                      |
| Sending Parameters               | ✓      | ✓   | 0100   | Get Logs Sending Mode                          |
|                                  | ✓      | ✓   | 0101   | Get FIFO Sending Status                        |
|                                  | ✓      | ✓   | 0102   | Get Send Rate                                  |
| Connection Parameters (iLOG-EDM) | ✓      | ✓   | 0103   | Get Synchronization DateTime                   |
|                                  | ✓      | ✓   | 0110   | Get Modem Type                                 |
|                                  | ✓      | ✓   | 0111   | Get ISP Phone                                  |
| Connection Parameters (iLOG-LAN) | ✓      | ✓   | 0112   | Get ISP UserName                               |
|                                  | ✓      | ✓   | 0113   | Get Modem Initialization String                |
|                                  | ✓      | ✓   | 0110   | Get IP Address                                 |
| Email Parameters                 | ✓      | ✓   | 0111   | Get DNS  |
|                                  | ✓      | ✓   | 0112   | Get Gateway                                    |
|                                  | ✓      | ✓   | 0113   | Get Subnet Mask                                |
|                                  | ✓      | ✓   | 0130   | Get SMTP Server                                |
|                                  | ✓      | ✓   | 0131   | Get POP3 Server                                |
|                                  | ✓      | ✓   | 0132   | Get E-mail User                                |
|                                  | ✓      | ✓   | 0133   | Get E-mail Receivers                           |
|                                  | ✓      | ✓   | 0134   | Get SMTP Authentication                        |
|                                  | ✓      | ✓   | 0135   | Get SMTP Authentication User                   |
|                                  | ✓      | ✓   | 0136   | Get POP3 Authentication                        |
| FTP Parameters                   | ✓      | ✓   | 0137   | Get POP3 Authentication User                   |
|                                  | ✓      | ✓   | 0140   | Get FTP Servers                                |
|                                  | ✓      | ✓   | 0141   | Get FTP Users                                  |
|                                  | ✓      | ✓   | 0142   | Get FTP Paths                                  |
|                                  | ✓      | ✓   | 0143   | Get FTP Port Numbers                           |
| SMS Parameters                   | ✓      | ✓   | 0144   | Get FTP "Use Passive Mode" options             |
|                                  | ✓      | ✓   | 0150   | Get GSM Port                                   |
|                                  | ✓      | ✓   | 0151   | Get GSM Baud                                   |
| Miscellaneous                    | ✓      | ✓   | 0152   | Get SMSC Phone Number                          |
|                                  | ✓      | ✓   | 0153   | Get SMS Receivers                              |
|                                  | ✓      | ✓   | 0190   | Get Decimal Separator                          |
| Commissioning                    | ✓      | ✓   | 0191   | Get XModem Null Character                      |
|                                  | ✓      | ✓   | 0192   | Get Power Supply Voltage                       |
|                                  | ✓      | ✓   | 0420   | Update Web Page Constant Parameters            |
|                                  | ✓      | ✓   | 0500   | Read RTC Time                                  |
|                                  | ✓      | ✓   | 0501   | Set RTC Time (0501,W,DD/MM/YY,HH:MM:SS)        |
|                                  | ✓      | ✓   | 0505   | Set Synchronization Time (0505,HH:MM)          |
|                                  | ✓      | ✓   | 0510   | Read Current Values (AI/DI/DO)                 |
|                                  | ✓      | ✓   | 0511   | Set/Reset DO (0511,O,V)                        |
|                                  | ✓      | ✓   | 0520   | Reset Terminal                                 |
|                                  | ✓      | ✓   | 0521   | Clear FIFO                                     |
|                                  | ✓      | ✓   | 0530   | Get Alarm Log Entries Number                   |
|                                  | ✓      | ✓   | 0531   | Read Alarm Log Entry (0531,N)                  |
|                                  | ✓      | ✓   | 0532   | Clear Alarm Logs                               |
|                                  | ✓      | ✓   | 0540   | Get Event Log Entries Number                   |
|                                  | ✓      | ✓   | 0541   | Read Event Log Entry (0541,N)                  |
|                                  | ✓      | ✓   | 0542   | Clear Event Logs                               |
|                                  | ✓      | ✓   | 0550   | Send Logs Via FTP                              |
|                                  | ✓      | ✓   | 0551   | Send Logs Via E-mail                           |
|                                  | ✓      | ✓   | 0560   | Read Counters                                  |
|                                  | ✓      | ✓   | 0561   | Set Counter (0561,C,V)                         |
|                                  | ✓      | ✓   | 0562   | Clear Counter (0562,C)                         |
|                                  | ✓      | ✓   | 0570   | Get RAM Packets Number                         |
|                                  | ✓      | ✓   | 0571   | Read RAM Packet (0571,N)                       |
|                                  | -      | ✓   | 0600.x | Connect to Internet for x minutes (3 ≤ x ≤ 90) |

### Parameter setting

| TCP/IP | Code         | Description              | Parameters  |
|--------|--------------|--------------------------|---|
| ✓      |              |                          | 0: No data sending  |
| ✓      | 0400,0,12,xx | Send mode                | 1: Email<br>2: FTP<br>3: Email & FTP                        |
| ✓      | 0400,0,14,xx | Log value                | 1: Instant<br>2: Minimum<br>3: Maximum<br>4: Average        |
| ✓      | 0400,0,16,xx | FIFO send mode           | 0: Latest/Keep<br>2: All/Keep<br>3: All/Delete              |
| ✓      | 0400,0,17,xx | Alarm send mode          | 0: No alarm sending<br>1: Email<br>2: SMS<br>3: Email & SMS |
| ✓      | 0400,0,18,xx | Digital output mode      | 0: System<br>1: User  |
| ✓      | 0400,0,21,xx | Alarm mode AI channel 1  | I: Instant<br>D: Delayed                                    |
| ✓      | 0400,0,22,xx | Alarm mode AI channel 2  |   |
| ✓      | 0400,0,23,xx | Alarm mode AI channel 3  |   |
| ✓      | 0400,0,24,xx | Alarm mode AI channel 4  |   |
| ✓      | 0400,0,25,xx | Alarm mode AI channel 5  |   |
| ✓      | 0400,0,26,xx | Alarm mode AI channel 6  |   |
| ✓      | 0400,0,27,xx | Alarm mode DI channel 1  | I: Instant<br>D: Delayed                                    |
| ✓      | 0400,0,28,xx | Alarm mode DI channel 2  |   |
| ✓      | 0400,0,29,xx | Alarm mode DI channel 3  |   |
| ✓      | 0400,0,30,xx | Alarm mode DI channel 4  |   |
| ✓      | 0400,1,60,xx | Logging rate             | 2...9999 (sec)  |
| ✓      | 0400,1,62,xx | AI alarm delay           | 2...9999 (sec)  |
| ✓      | 0400,1,64,xx | DI alarm delay           | 2...9999 (sec)  |
| ✓      | 0400,1,66,xx | Alarm dead-band          | Value (0...100%) * 10                                       |
| ✓      | 0400,1,68,xx | Prealarm limit           | Value (0...100%) * 10                                       |
| ✓      | 0400,1,70,xx | FTP server 1 port number | 1...65536   |
| ✓      | 0400,1,72,xx | FTP server 2 port number | 1...65536   |
| ✓      | 0400,2,8,xx  | Send rate                | 1...99999 (min)   |
| ✓      | 0400,2,12,xx | AI 1 alarm limit low     | Value * 10  |
| ✓      | 0400,2,16,xx | AI 2 alarm limit low     | Value * 10  |
| ✓      | 0400,2,20,xx | AI 3 alarm limit low     | Value * 10  |
| ✓      | 0400,2,24,xx | AI 4 alarm limit low     | Value * 10  |
| ✓      | 0400,2,28,xx | AI 5 alarm limit low     | Value * 10  |
| ✓      | 0400,2,32,xx | AI 6 alarm limit low     | Value * 10  |
| ✓      | 0400,2,36,xx | AI 1 alarm limit high    | Value * 10  |
| ✓      | 0400,2,40,xx | AI 2 alarm limit high    | Value * 10  |
| ✓      | 0400,2,44,xx | AI 3 alarm limit high    | Value * 10  |
| ✓      | 0400,2,48,xx | AI 4 alarm limit high    | Value * 10  |
| ✓      | 0400,2,52,xx | AI 5 alarm limit high    | Value * 10  |
| ✓      | 0400,2,56,xx | AI 6 alarm limit high    | Value * 10  |

| TCP/IP | Code           | Description              | # of characters<br>(any valid text or number) |
|--------|----------------|--------------------------|---|
| ✓      | 0400,3,0,xx    | Station name             | 15  |
| ✓      | 0400,3,16,xx   | Station description      | 60  |
| ✓      | 0400,3,77,xx   | AI channel 1 description | 20  |
| ✓      | 0400,3,98,xx   | AI channel 2 description | 20  |
| ✓      | 0400,3,119,xx  | AI channel 3 description | 20  |
| ✓      | 0400,3,140,xx  | AI channel 4 description | 20  |
| ✓      | 0400,3,161,xx  | AI channel 5 description | 20  |
| ✓      | 0400,3,182,xx  | AI channel 6 description | 20  |
| ✓      | 0400,3,203,xx  | DI channel 1 description | 20  |
| ✓      | 0400,3,224,xx  | DI channel 2 description | 20  |
| ✓      | 0400,3,245,xx  | DI channel 3 description | 20  |
| ✓      | 0400,3,266,xx  | DI channel 4 description | 20  |
| ✓      | 0400,3,500,xx  | SMTP address             | 25  |
| ✓      | 0400,3,526,xx  | POP3 address             | 25  |
| ✓      | 0400,3,552,xx  | Email account username   | 30  |
| ✓      | 0400,3,583,xx  | Email account password   | 20  |
| ✓      | 0400,3,604,xx  | Email receipt 1          | 30  |
| ✓      | 0400,3,635,xx  | Email receipt 2          | 30  |
| ✓      | 0400,3,666,xx  | Email receipt 3          | 30  |
| ✓      | 0400,3,697,xx  | Email receipt 4          | 30  |
| ✓      | 0400,3,728,xx  | Email receipt 5          | 30  |
| ✓      | 0400,3,759,xx  | FTP server address 1     | 25  |
| ✓      | 0400,3,785,xx  | FTP server address 2     | 25  |
| ✓      | 0400,3,811,xx  | FTP server 1 username    | 20  |
| ✓      | 0400,3,832,xx  | FTP server 2 username    | 20  |
| ✓      | 0400,3,853,xx  | FTP server 1 password    | 20  |
| ✓      | 0400,3,874,xx  | FTP server 2 password    | 20  |
| ✓      | 0400,3,895,xx  | FTP server 1 path        | 30  |
| ✓      | 0400,3,926,xx  | FTP server 2 path        | 30  |
| ✓      | 0400,3,957,xx  | SMS-alarm receipt 1      | 15  |
| ✓      | 0400,3,973,xx  | SMS-alarm receipt 2      | 15  |
| ✓      | 0400,3,989,xx  | SMS-alarm receipt 3      | 15  |
| ✓      | 0400,3,1005,xx | SMS-alarm receipt 4      | 15  |
| ✓      | 0400,3,1021,xx | SMS-alarm receipt 5      | 15  |



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