# MOBILE PHONE ALARM CONNECTING INSTRUCTIONS

1. Connect the alarm unit to the control box connector –X10.

2. Open alarm unit's and mobile phone unit's covers by removing the screws. Place the SIM card to the clip on top of the PCB. The SIM card's PIN code must be disabled. Place the cover of the alarm unit back on place.

3. Turn the power on at the drying machinery.

4. Wait for 2 minutes and call to SIM cards number (the alarm unit will be used with that phone only). Wait until the call is disconnected..

5. Send the following text messages to unit's SIM card's number:
   XXXX I1:5.
   XXXX V1:0.
   XXXX V2:1.
   XXXX S:0.
   XXXX E1: DRYER ALARM.
   XXXX E2: DRYER DATA.


XXXX is the password and it's default setting is IMEI codes four last numbers. The number is marked on the cover of the alarm unit and packaging. It's also marked on modem's circuit board. The password is marked on the tape which is on top of the modem housing. Note! There's a space after the password.

Now the equipment is ready to work and gives you an text message alarm "DRYER ALARM" if the motor protection has tripped, the frequency inverter or speed control alerts or if there's a malfunction in the oil burner. The device will inform you by text message "DRYER DATA" when the cooling time has ended with automation use (batch ready) or when the cooling starts.

You can choose from the switch on the bottom would you want the information to come when the cooling starts (= 1) or when the batch is ready (= 0).

   XXXX R: Message resets the default settings for the alarm.

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# Troubleshooting

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|---|---|---|
| The GSM light is off | No power | Connect the power supply |
| The GSM light turns off after few seconds | No SIM card / poor contact on the SIM card | Replace the SIM card and / or clean the SIM card slot |
| The GSM light flashes three times in series | PIN code is not "0000" | Change the PIN code to "0000" |
| The GSM light is constantly on | GSM network is not available / antenna is not attached | Attach the antenna / replace the antenna position |
| The GSM light turns off after 3 minutes | An authentication call has not been made | Make an authentication call |
| STD32 does not respond to the authentication call (no answer) | An authentication call has already been made | Restore the factory default settings |
| STD32 does not respond to SMS commands | Incorrect IMEI code in message / message has not yet been submitted | Check the IMEI code / wait until the text message is delivered |
| STD32 does not respond to SMS commands or calls even though it is connected to the network | The mobile phone does not send a number / phone number is encrypted | Activate sending a mobile phone number |
| The system lights are on | An authentication call has not been made | Make an authentication call |

# Technical information

- GSM: quad-band EGSM 850/900/1800/1900 MHz
  FIND GSM Phase 2+ Standard compatible
- Feed power:
  Class 4 (2W @ 850/900 MHz)
  Class 1 (1W @ 1800/1900 MHz)
- Temperature range: -20 °C ... +55 °C
- Weight: 220 grams
- Dimensions: with housing 150 x 65 x 45 mm (width x length x height)
- Operating voltage: 7 - 32 VDC
- Maximum output power 6A
- Manufacturer: Arnon Oy, Hyllilänkatu 15, FI-33730 Tampere

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