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AGM
Universal Configuration
Software Guide

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Table of Contents

Chapter 1 System Overview

The AGM Universal Configuration Software is a Windows based software package that enables you to configure the RISCO Group Universal Version AGM Advanced GSM/GPRS Module.

AGM Advanced GSM/GPRS Module

The AGM Universal module is an advanced, comprehensive GSM/GPRS module. It can be installed in a wide variety of security and control applications using the Voice, SMS, GPRS, and Data channels of the GSM network. The AGM Universal module can be used as a primary or backup GSM communicator connected to any control panel with dialer or as a standalone miniature control-panel with integral GSM communication.

The AGM Universal module can also be used to send events via SMS, Email, or Voice to designated recipients, including private phones. It can also report events to Monitoring Stations via GSM using encrypted SMS, or via GPRS.

AGM Universal Configuration Software

The AGM Universal Configuration Software enables you to configure the AGM Universal module. Through a user-friendly interface, you can set all module parameters, as well as the module language, date, and time. You can then save your configuration set and send it to the AGM Universal module. The AGM Universal Configuration Software is also capable of receiving configuration information from the AGM Universal module.

Communication with the AGM Universal module can be achieved using the following methods:

- Local connection via direct cable for sending and receiving parameter information.
- Remote connection via the GSM data channel of the service provider, for sending and receiving parameter information.
- SMS for sending parameter information.

While the connection is active, you can configure the AGM Universal module using the AGM Universal Configuration Software.

Chapter 2 Downloading and Installing the AGM Universal Configuration Software

To install the AGM Universal Configuration Software, you must download the AGM Universal Configuration Software from the RISCO Group website and install the AGM Universal Configuration Software onto your local drive.

System Requirements

The following are system requirements for installing and running the AGM Universal Configuration Software:

- Microsoft Windows XP Professional Edition with Service Pack 2
- Microsoft .NET Framework
- A .zip file extraction tool

Downloading the AGM Universal Configuration Software

The latest version of the AGM Universal Configuration Software can be downloaded from the RISCO Group website.

To download the AGM Universal Configuration Software:

1. Open your web browser and go to www.riscogroup.com.
2. Place your cursor over **Support & Downloads**. The Support & Downloads drop-down menu appears.
3. Select **AGM Universal Configuration Software**. The AGM Universal Configuration Software Download page opens.
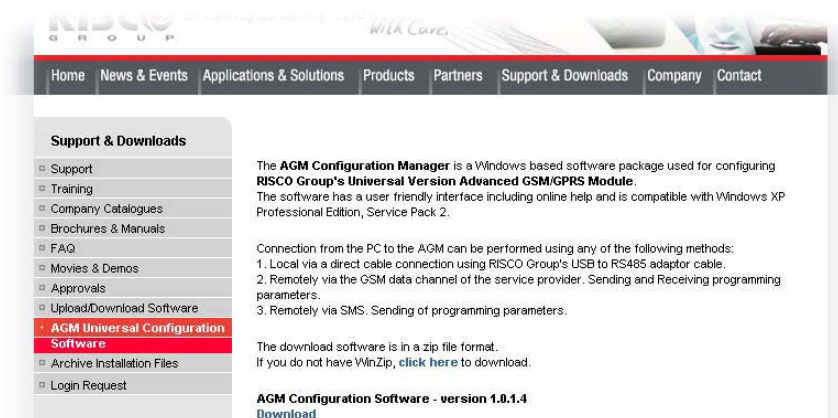
Figure 1. AGM Universal Configuration Software Download Page

4. Click **Download**. The Login page opens.

5. Enter your username and password in the appropriate fields and click ▶ next to **Send** in the Login section. You are returned to the AGM Universal Configuration Software website.

6. Click **Download**. The download begins.

7. When the download is complete, extract the .zip file contents to your local drive.

Note: The AGM Universal Configuration Software .zip file extracts using the Microsoft .NET Framework.

Installing the AGM Universal Configuration Software

Once you have downloaded the .zip file and extracted its contents, you are ready to install the software.

To install the AGM Universal Configuration Software:

1. Double-click **setup.exe**. The AGM Configuration Manager Setup Wizard opens.

2. Follow the instructions on the screen. The AGM Configuration Manager Setup Wizard installs the AGM Universal Configuration Software.

Chapter 3 Navigating the AGM Universal Configuration Software

You can configure the parameters of your AGM Universal module using the AGM Universal Configuration Software entirely through the graphic user interface. Once you open the AGM Universal Configuration Software, you can access the various interface components.

To open the AGM Universal Configuration Software:

   Double-click the AGM Configuration Manager icon on your desktop.

Figure 2. AGM Configuration Manager Icon

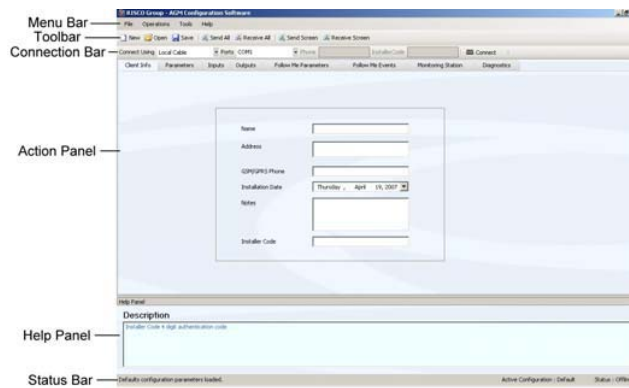   The AGM Universal Configuration Software opens.

Note: It is recommended that you set your screen resolution to 1024 x 768 pixels.

System Interface

The AGM Universal Configuration Software system interface features a single Main Window.

Figure 3. Main Window

The Main Window consists of several elements:
- Menu Bar
- Toolbar
- Connection Bar
- Action Panel
- Help Panel
- Status Bar

Menu Bar

The Menu Bar enables you to access basic AGM Universal Configuration Software features. The following table describes the Menu Bar:

Table 1. Menu Bar Options

| Menu	Item	Description
File		
	New	Closes the current file, losing any unsaved settings, and creates a new file.
	Open	Opens an existing file.
	Save	Saves the file.
	Save As	Saves the file under a new filename.
	Exit	Exits the AGM Universal Configuration Software.
Operations		
	Send Screen	Sends the parameter information of the active screen to the AGM Universal module.
	Receive Screen	Receives the current AGM Universal module parameter information for the active screen.
	Reset Screen	Resets the active screen to its default setting.
	Send All	Sends the parameter information of all screens to the AGM Universal module.
	Receive All	Receives the current AGM Universal module parameter information for all screens.
	Reset All	Resets all screens to their default settings.
Tools		
	Software Language	Sets the software language. See *Setting the Software Language* on page 12.

Menu	Item	Description
	Set Module Language	Sets the language for messages sent by the AGM Universal module, and for parameter information received from the AGM Universal module. See *Setting the Module Language* on page 28.
	Set Module Clock	Sets the AGM Universal module clock. See *Setting the Module Clock* on page 29.
Help		
	Help Panel	Selects the Help Panel.
	About	Provides information about the application, including version number and contact details for RISCO Group.

Toolbar

The Toolbar enables easy access to AGM Universal Configuration Software functions. The following table describes the Toolbar:
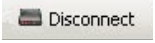
Table 2. Toolbar Options

Item	Description
New	Closes the current file, losing any unsaved settings, and creates a new file.
Open	Opens an existing file.
Save	Saves the file.
Send All	Sends the parameter information of all screens to the AGM Universal module.
Receive All	Receives the current AGM Universal module parameter information for all screens.
Send Screen	Sends the parameter information of the active screen to the AGM Universal module.
Receive Screen	Receives the current AGM Universal module parameter information for the active screen.

Connection Bar

The Connection Bar enables you to select a connection method and connect to the AGM Universal Configuration Software. The following table describes the Connection Bar:

Table 3. Connection Bar Options

Item	Name	Description
Local Cable ▾	Connection Type Menu	Designates which connection type is used to interface with the AGM Universal module.
Ports COM1 ▾	Ports Menu	Designates which computer port is used to interface with the AGM Universal module.
Phone	Phone Number Field	Phone number of the desired AGM Universal module.
InstallerCode	Installer Code Field	Unique four-digit Installer Code associated with the AGM Universal module to prevent unauthorized access. **Note:** The default Installer Code is 0200.
▭ Connect	Connect Button	Connects to the AGM Universal module.
▭ Disconnect	Disconnect Button	Disconnects from the AGM Universal module.

Note: For more information on connecting to the AGM Universal module, see *Establishing Communication with the AGM Universal Module* on page 13.

Action Panel

The Action Panel enables you to see and change AGM Universal module parameters.

Figure 4. Action Panel

The Action Panel consists of two components:

- **Tab Bar** – The Tab Bar enables you to access the various parameter screens in the Active Window. For information on the parameter screens, see *Setting Parameter Information* on page 19.
- **Active Window** – The Active Window is where you view and change AGM Universal module parameters.

Help Panel

The Help Panel displays descriptions of the various fields and drop-down menus in the Active Window.

To view Help information for a field or drop-down menu:

- Position the cursor over a field or drop-down menu. A description appears in the Help Panel.

Note: Using standard procedures, you can change the size of the Help Panel, collapse it, or drag it to any part of the screen.

Status Bar

The Status Bar displays your most recent action, the active configuration filename, and the connection status.

Figure 5. Status Bar

Setting the Software Language

You can configure your AGM Universal Configuration Software to run in a specific language.

Note: You cannot set the software language when the AGM Universal Configuration Software is connected to the AGM Universal module.

To define the software language:

1. Select **Tools > Software Language**. The AGM Configuration Manager - UI Language Settings window appears.

Figure 6. AGM Configuration Manager - UI Language Settings Window

2. Select a language from the Select Language drop-down menu.

Note: Currently, the AGM Universal Configuration Software only supports English (United States) for the software language.

3. Click **Ok**. The AGM Universal Configuration Software refreshes to display in the language you selected.

Chapter 4 Configuring AGM Universal Modules

The primary function of the AGM Universal Configuration Software is configuring AGM Universal modules. You must connect to the AGM Universal module to send AGM Universal module parameters. You can do this either before or after setting the parameters in the fields and drop-down menus of the parameter screens. You must also establish a connection with the AGM Universal module to set the module language and set the module clock. While the connection is established, you can receive the current parameters from the AGM Universal module and display them in the AGM Universal Configuration Software.

Establishing Communication with the AGM Universal Module

You can communicate with the AGM Universal module using any of the following methods:

- Local Cable
- Remote Modem
- SMS Sending

Local Cable

You can connect your PC to the AGM Universal module using a local cable. There are two types of supported cable:

Table 4. Cable Types

Cable	Type	Part Number
RISCO Group Standard Cable	Serial	RP296EBA00A
RISCO Group USB Cable	USB	RP128EUSB00A

When connecting using a local cable, the rate of data transfer between your PC and the AGM Universal module is 9600 bps.

Note: For information on installing the local cable, refer to the *AGM Advanced GMS/GPRS Module Universal Version Installation and Programming Instructions*.

Once you install the cable, you can establish the Local Cable connection.

To connect via a local cable:

1.   In the Connection Type menu, select **Local Cable**.

2.   In the Ports menu, select the port of your RISCO Group cable.

Note: When using a USB cable, the AGM Universal Configuration Software designates a virtual COM port to represent the USB port.

3.   Click 🖵 Connect . The AGM Universal Configuration Software begins connecting to the AGM Universal module and the Communicating with AGM Module window appears.

Figure 7. Communicating with AGM Module Window

4.   When the Communicating with AGM Module window displays *Device Connected*, click **Close**. The AGM Universal module connection status is Online.

Note: While the Local Cable connection status is Online, the AGM Universal module is in Programming Mode and cannot process or send messages.

Sending and Receiving Parameters via Local Cable

You can send or receive the parameter information either of the active screen or of all the screens at once.

Caution: Parameter information sent to the AGM Universal module automatically replaces the previous module parameters.

To send or receive parameter screens:

1.   Perform one of the actions in Table 5, Sending and Receiving Parameter Screens. The Communicating with AGM Module window appears.

Table 5. Sending and Receiving Parameter Screens

Action	Toolbar Command	Keyboard Command	Menu Bar Command
Send a Single Screen	Send Screen	Ctrl+Shift+S	Operations > Send Screen
Send All Screens	Send All	Ctrl+Shift+D	Operations > Send All
Receive a Single Screen	Receive Screen	Ctrl+Shift+R	Operations > Receive Screen
Receive All Screens	Receive All	Ctrl+Shift+E	Operations > Receive All

2. When the *Sending/Receiving Parameters done* message appears, click **Close**. The parameter information has been sent or received successfully.

Remote Modem

If you are configuring an AGM Universal module at a remote location, you can connect to the remote AGM Universal module's modem. The rate of data transfer using the AGM Universal module modem is 9600 bps. Connecting through a remote modem requires a dedicated GSM Data channel (CSD) for the AGM Universal module. You must order this channel from your local telephone company. You can either use a PSTN modem or a cellular phone with a modem, as your computer modem. If you use a cellular phone, RISCO Group recommends Nokia® brand phones with modems. Refer to the *AGM Advanced GSM/GPRS Module Universal Version Installation and Programming Instructions* for more information.

To connect via a remote modem:

1. In the Connection Type menu, select **Remote Modem**.

2. In the Ports menu, select the port of your PC modem.

3. In the Phone field, enter the phone number of the remote AGM modem.

4. In the Installer Code field, enter the unique Installer Code assigned to the remote AGM Universal module.

5. Click ⬛ Connect . The AGM Universal Configuration Software begins connecting to the AGM Universal module and the Communicating with AGM Module window appears, as seen in Figure 7 on page 14.

6. When the *Device connected* message appears, click **Close**. The remote AGM Universal module connection status is Online.

Note: While the Remote Modem connection status is Online, the AGM Universal module is in Programming Mode and cannot process or send messages.

Sending and Receiving Parameters via Remote Modem

You can send or receive the parameter information either of the active screen or of all the screens at once.

Caution: Parameter information sent to the AGM Universal module automatically replaces the previous module parameters.

To send or receive parameter screens:

1. Perform one of the actions in Table 6, Sending and Receiving Parameter Screens. The Communicating with AGM Module window appears.

Table 6. Sending and Receiving Parameter Screens

Action	Toolbar Command	Keyboard Command	Menu Bar Command
Send a Single Screen	Send Screen	Ctrl+Shift+S	Operations > Send Screen
Send All Screens	Send All	Ctrl+Shift+D	Operations > Send All
Receive a Single Screen	Receive Screen	Ctrl+Shift+R	Operations > Receive Screen
Receive All Screens	Receive All	Ctrl+Shift+E	Operations > Receive All

2. When the *Sending/Receiving Parameters done* message appears, click **Close**. The parameter information has been sent or received successfully.

SMS Sending

While connected using the SMS Sending connection method, it is possible only to send parameter information. You cannot receive parameter information. Sending parameter information from your PC using SMS requires that you use a cellular phone as your computer modem. RISCO Group recommends Nokia® brand phones with modems. You can send the parameter information of a single parameter, all the parameters in the active screen, or all the parameter screens at once. The parameter information is sent as SMS commands to the AGM Universal module.

Alternatively, you can send parameter information SMS messages from a cellular phone. The AGM Universal module can receive SMS messages from your cellular phone at any time without affecting its normal operation. You can send individual parameters or send the equivalent of a whole screen in one SMS message.

Note: For information on sending SMS messages from your cellular phone, refer to the *AGM Advanced GSM/GPRS Module Universal Version Installation and Programming Instructions*.

To connect via SMS:

1. In the Connection Type menu, select **SMS Sending**.

2. In the Ports menu, select the port of your PC modem.

3. In the Phone field, enter the phone number of the remote AGM modem.

4. In the Installer Code field, enter the unique Installer Code assigned to the remote AGM Universal module.

5. Click . The AGM Universal Configuration Software begins connecting to the AGM Universal module and the Communicating with AGM Module window appears, as seen in Figure 7 on page 14.

6. When the *Device connected* message appears, click **Close**. The parameter information has been sent successfully.

Note: Unlike the Local Cable and Remote Modem connection methods, while the SMS Sending connection status is Online, the AGM Universal module remains in Operation Mode and can process and send messages.

Sending Parameters via SMS

While connected via SMS you can send the parameter information of a single parameter, all the parameters in the active screen, or all the parameter screens at once.

Caution: Parameter information sent to the AGM Universal module automatically replaces the previous module parameters.

To send one parameter:

1. Right-click on a parameter. The Send SMS drop-down menu appears.

Figure 8. Send SMS Drop-Down Menu

2. Click **Send SMS**.

To send parameter screens:

1. Perform one of the actions in Table 7. The Communicating with AGM Module window appears.

Table 7. Sending and Receiving Parameter Screens

Action	Toolbar Command	Keyboard Command	Menu Bar Command
Send a Single Screen	Send Screen	Ctrl+Shift+S	Operations > Send Screen
Send All Screens	Send All	Ctrl+Shift+D	Operations > Send All

2. When the *Sending Parameters done* message appears, click **Close**. The parameter information has been sent successfully.

Note: If the Caller ID checkbox of the Standard View tab of the Parameters screen is checked, the AGM Universal module will only accept messages from a cellular phone with a phone number which is recognized as a Follow Me recipient. This is true whether you are using the cellular phone as your PC modem, or whether you are sending SMS messages directly from the cellular phone.

Setting Parameter Information

Parameter information is set in the parameter screens. When you click a tab in the Tab Bar, the associated screen appears in the Active Window. The following sections provide a brief overview of the screens. For detailed information on the AGM Universal module parameters, refer to the *AGM Advanced GMS/GPRS Module Universal Version User Instructions*.

Note: It is possible to save your parameter settings as an .act file for configuring future AGM Universal modules, or for further editing.

The following parameter screens are available:

- **Client Info** – Contains the client information for each file. See *Client Info* on page 20.
- **Parameters** – Contains configuration parameters for how the AGM Universal module sends and receives messages. See *Parameters* on page 21.
- **Inputs** – Contains configuration parameters for the AGM Universal module Inputs. See *Inputs* on page 23.
- **Outputs** – Contains configuration parameters for the AGM Universal module Outputs. See *Outputs* on page 24.
- **Follow Me Parameters** – Contains information regarding messages sent to Follow Me message recipients. See *Follow Me Parameters* on page 25.
- **Follow Me Events** – Contains configuration parameters regarding AGM Universal module Event and Restore messages. See *Follow Me Events* on page 25.
- **Monitoring Station** – Contains configuration parameters regarding messages sent to the Monitoring Stations. See *Monitoring Station* on page 26.
- **Diagnostics** – Features the AGM Universal module diagnostic information display. See *Diagnostics* on page 27.

Client Info

In the Client Info screen, you can enter information to differentiate between AGM Universal module configuration sets for different clients. Client information is not sent to the AGM Universal module, but is saved in the configuration file.

Figure 9. Client Info

The following table describes fields in the Client Info screen:

Table 8. Client Info Screen Elements

Element	Description
Name	The client's name.
Address	The client's address.
GSM/GPRS Phone	GSM phone number of the AGM Universal module.
Installation Date	Installation date of the AGM Universal module.
Notes	Any important information can be entered into this field.
Installer Code	Unique four-digit Installer Code associated with the AGM Universal module to prevent unauthorized access. **Note:** The default Installer Code is 0200.

Parameters

The parameters screen contains two sub-screens:

- Standard View
- Advanced View

Standard View

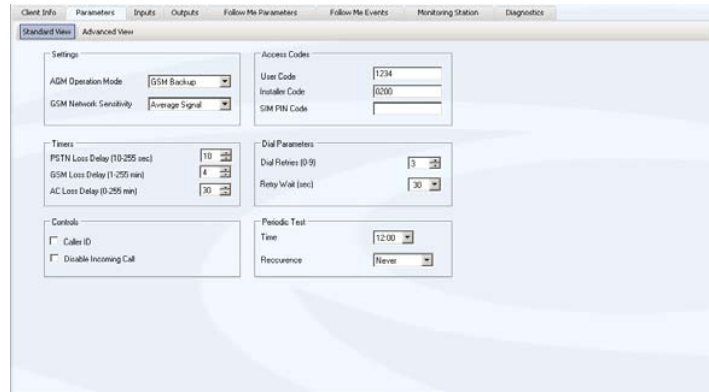In the Standard View screen, you can determine the AGM Universal module protocols for receiving and sending messages.

Figure 10. Standard View

Advanced View

In the Advanced View screen, you can enter the information necessary for the AGM Universal module to receive and send messages, either by way of the PSTN, the GSM network, or the Internet.

Figure 11. Advanced View

Inputs

In the Inputs screen, you can configure parameters for the four AGM Universal module Inputs to which sensory devices can be connected. You can also define the message text associated with triggering and resetting the four Inputs. The Chars Left column in each section indicates how many of the maximum number of characters allowed for the corresponding field remain available.

Figure 12. Inputs

Outputs

In the Outputs screen, you can configure parameters for the four AGM Universal module Outputs to which utility devices can be connected. You can also select which Events trigger each Output. You can deselect all the Events for each Output by clicking **Clear**. The Chars Left column in the Output Parameters section indicates how many of the maximum number of characters allowed for the corresponding field remain available.
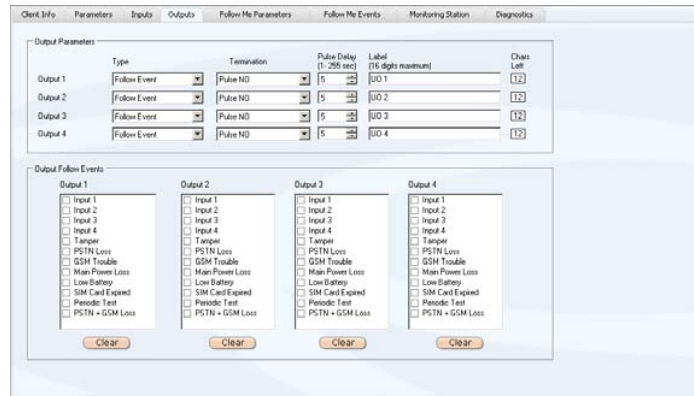

Figure 13. Outputs

Follow Me Parameters

In the Follow Me Parameters screen, you can define the identity of each of the eight possible Follow Me recipients of AGM Universal module messages and the type of messages each receives. You can also set the maximum number of recurrences for voice messages.

Figure 14. Follow Me Parameters

Follow Me Events

In the Follow Me Events screen, you can define which Events and Restores trigger which messages for which Follow Me recipients.

Figure 15. Follow Me Events

Monitoring Station

In the Monitoring Station screen, you can enter the information necessary for the AGM Universal module to communicate with the two Monitoring Stations. You can also define the circumstances for which the AGM Universal module communicates with the Monitoring Stations and the codes it uses to represent specific Events and Restores in its reports.

Figure 16. Monitoring Station

Diagnostics

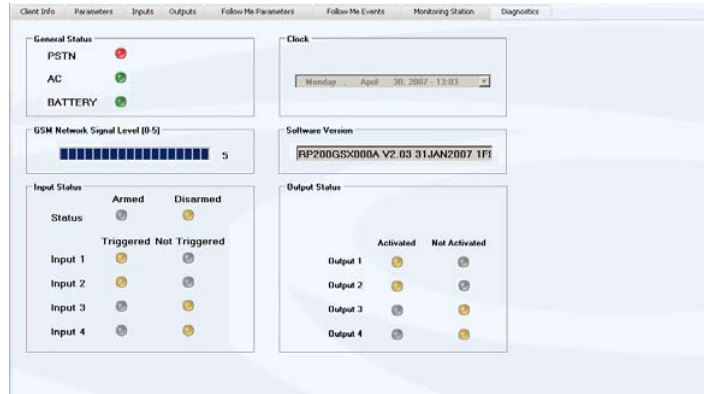The Diagnostics screen provides status information for your AGM Universal module.

Figure 17. Diagnostics

Note: For more information on the Diagnostics screen, see *Viewing AGM Universal Module Diagnostic Information* on page 30.

Setting the Module Language

The module language determines in what language AGM Universal module messages are sent, including Event messages and received parameter information. Setting the module language is optional, and is usually performed only once per client.

Note:	You can only set the module language while the AGM Universal Configuration Software is connected to the AGM Universal module via a local cable or remote modem.

To set the module language:

1. Select **Tools > Module Language**. The Set Module Language Parameters window appears.

Figure 18. Set Module Language Parameters Window

2. Select a language from the Select Language drop-down menu and click **Send**. The AGM Universal Configuration Software sends your language parameter setting to the AGM Universal module.

3. Click **Close**. The AGM Universal module language is set.

Setting the Module Clock

The AGM Universal module contains its own internal clock which you can set using the AGM Universal Configuration Software. Setting the module clock is optional, and is usually performed only once per client.
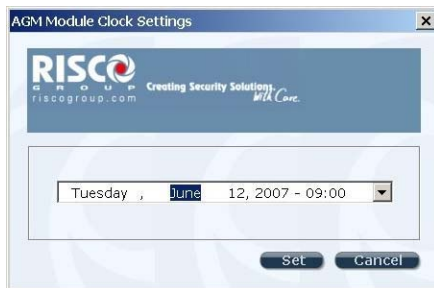
Note: You can only set the module clock while the AGM Universal Configuration Software is connected to the AGM Universal module via the Local Cable or Remote Modem methods.

To set the AGM Universal module clock:

1. Select **Tools > Set Module Clock**. The AGM Module Clock Settings window appears.

Figure 19. AGM Module Clock Settings Window

2. Enter the date and time or select the date and time from the drop-down menu.

Note: The date and time displayed in the AGM Module Clock Settings window are automatically taken from your computer clock date and time.

3. Click **Set**. The module clock is set.

Chapter 5 Viewing AGM Universal Module Diagnostic Information

In the Diagnostics screen, you can view status information for your AGM Universal module, including the connection, power, clock, inputs, outputs, and software version.
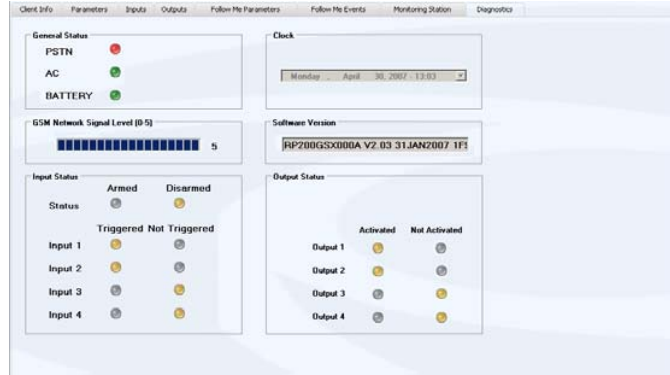

Figure 20. Diagnostics Screen

The following table describes the Diagnostics screen:

Table 9. Diagnostics Screen Elements

Section	Item	Description
General Status		
	PSTN	Status of the AGM Universal module connection to the public telephone system: • **Green** – PSTN connection present • **Red** – PSTN connection not present
	AC	Power status: • **Green** – Main power OK • **Red** – No main power
	BATTERY	Battery status: • **Green** – OK • **Red** – Low

Section	Item	Description
GSM Network Signal Level (0-5)		
	Signal Bar	Strength of the GSM network signal, with a value of 0 to 5:
		• **0** – No signal
		• **1** – Very Low
		• **2** – Low
		• **3** – Medium
		• **4** – High
		• **5** – Very High
Input Status		
	Status	Monitoring status of the AGM Universal module (Armed or Disarmed).
	Input 1	Status of Input 1 (Triggered or Not Triggered).
	Input 2	Status of Input 2 (Triggered or Not Triggered).
	Input 3	Status of Input 3 (Triggered or Not Triggered).
	Input 4	Status of Input 4 (Triggered or Not Triggered).
		Note: For information on Input parameters, see *Inputs* on page 23.
Clock		
	Clock Setting	Current date and time setting for the AGM Universal module clock.
		Note: For information on setting the AGM Universal module clock, see *Setting the Module Clock* on page 29.
Software Version		
	Version	Current software edition for the internal software of the AGM Universal module.
Output Status		
	Output 1	Status of Output 1 (Activated or Not Activated).
	Output 2	Status of Output 2 (Activated or Not Activated).
	Output 3	Status of Output 3 (Activated or Not Activated).
	Output 4	Status of Output 4 (Activated or Not Activated).
		Note: For information on Output parameters, see *Outputs* on page 24.

Contacting RISCO Group

RISCO Group is committed to customer service and product support. You can contact us through our website www.riscogroup.com or as follows:

United Kingdom
Tel:+44-161-655-5500
sales@riscogroup.co.uk
technical@riscogroup.co.uk

USA
Toll Free:1-800-344-2025
Tel:+305-592-3820
sales-usa@riscogroup.com
support-usa@riscogroup.com

Italy
Tel: +39-02-66590054
info@riscogroup.it
support@riscogroup.it

Brazil
Tel:+55-11-3661-8767
sales-br@riscogroup.com
support-br@riscogroup.com

Spain
Tel:+34-91-490-2133
sales-es@riscogroup.com
support-es@riscogroup.com

China
Tel: +86-21-52390066
sales-cn@riscogroup.com
support-cn@riscogroup.com

France
Tel: +33-164-73-28-50
sales-fr@riscogroup.com
support-fr@riscogroup.com

Israel
Tel: +972-(0)3-963-7777
info@riscogroup.com
support@riscogroup.com

Belgium
Tel: +32-2522 7622
sales-be@riscogroup.com
support-be@riscogroup.com