Processes SMS Reports and logged data from a network of AquaMaster flow meters

Administers a network of up to 3000
— Large networks can be serviced from a single server application

Processes SMS messages containing Logged Flow, Logged Pressure, Alarm and Totalizer Data
— A single application to process all the SMS data from a network of AquaMaster S units

Intuitive User Interface
— Makes the application easy to configure and easy to use

Integrates with the GPA SMS Gateway
— Compatible with widely-used SMS software packages

Flow, Pressure and Totalizer data forwarded to any ODBC-compliant relational database
— Presents data in whatever format individual customers require

Automatically reflects firmware and SIM card changes in the AquaMaster
— Automatically detects meters added to the network
— Identifies changes in SIM card meter pairings
Overview

The ABB SMS Logger Server software is an intuitive, user-friendly application that processes data from ABB AquaMaster S flow meters fitted with the SMS logging release of the GSM option (AquaMaster software version 2.40 and above).

Each AquaMaster sends one or more SMS messages to the host SMS Logger Server every day, with each message containing the data for one of the following:

- Logged Flow Rate
- Logged Pressure
- Totalizer

A PC or server running both the ABB SMS Server software and the GPA SMS Gateway receives the messages via a GSM modem. The SMS Gateway forwards the messages to the SMS Logger Server.

The SMS Logger Server can edit many of the AquaMaster’s parameters and can also request data from single or multiple AquaMasters.

All the data received by the SMS Logger Server can be forwarded to a client database.

Sample Software Functions

Views

List View
Displays the latest flow, pressure and total records from all the flow meters.

Flow Records
Displays logged flow records for selected AquaMasters.

Pressure Records
Displays logged pressure records for selected AquaMasters.

Total Records
Displays totalizer records for selected AquaMasters.

Configuration

External Database
Populates an existing client database with the data from the AquaMasters. Any ODBC compliant data source is supported.

Advanced settings
Used to configure various settings of the SMS Logger Server, including control of the automatic adjustment of the AquaMaster’s real-time clock and setting the IP address of the SMS Gateway software.

External clients
Controls which users have permission to make requests of the flow meters via the web interface.

Text Command Requests

Text command requests can be sent to single or multiple AquaMasters for device information block (DIB) reports, firmware version reports, alarm reports and totalizer reports. They also enable the request for individual parameter values.

System Requirements

Hardware
- CPU: Pentium 3 Processor or better
- Memory: A minimum of 512Mb RAM
- Hard Disk Space: A minimum of 40Gb free space

Operating System
- Windows 2000®
- Windows Server 2003®
- Windows XP®

Software
- .Net framework V1.1
- IIS version 5.0
- Microsoft Message Queuing (MSMQ) components
- GPA SMS Gateway
Electromagnetic Flow Meters

SMS Logger Server Software

Screenshots

List View

Flow Records

Configure External Database

Configure External Clients

 Web Interface – Send Settings Request

Administration View

DS/ACT–EN Rev. B 3