
**ICESPY PC SOFTWARE (ICESPY SYSTEM 5)
SYSTEM5VIEW: FUNCTIONAL SPECIFICATION**

Overview

Sys5View is a user-friendly 'front-end' for viewing of data from the System5 database. Visual design is based on previous versions of IceSpy to retain some familiarity for existing users of IceSpy systems. Main data views are chart (graphical) presentations and a column-based text listing. Additional windows provide summary data for each Sensor and for alarm statuses. All views are designed to display Sensors in one Zone at a time.

PC Requirements

Please see Sys5Log specification for details.

Functions

- Sets of data displayed on a Zone basis. Data can be arranged into named zones (using [Sys5Adjust](#)) for ease of inspection. Single mouse-click switches between graphs / lists for each zone, or zones can be scrolled automatically.
- View can be changed to show one day of one-minute readings, 10 days of 10-minute readings or 60 days of hourly readings
- Pop-up windows for alarm events, if required, allowing acknowledgment of alarms.
- After initial use, on opening the application the user will always see his preferred layout of the latest data (without manually reading a logger or opening a file).
- Zone Groups can be used to prevent unauthorised users seeing viewing data from other departments.
- Provision to select dates from on-screen calendar, for viewing earlier data (where data is available in database)
- Data displayed in five alternative formats:
 - Chart view (all sensors in zone shown on same chart)
 - Zoom functions to expand sections of chart
 - Chart view (separate small charts for each sensor)
 - Includes current values of sensors
 - Alarm status of each sensor indicated by colour
 - Text listing of all recorded data against time records
 - Summary of Sensor details:
 - Names
 - Alarm Levels
 - Statistical data (max, min, average readings for period shown)
 - Serial Number
 - Indication of current radio signal strength from sensor
 - Summary of alarm events:
 - Alarm start time
 - Alarm end time and duration
 - Value and time of 'worst' part of alarm event
 - Alarm acknowledgement details
- Printing facilities for charts, text listing of values, alarms and sensor details
- Annotations can be added to data based on sensor name and date / time. These will be reproduced on printed outputs.
- Direct access to the [Sys5Adjust](#) application
- Additional databases (if available on additional servers) can be viewed via Options dialogue.

Data

- All automatically recorded data (e.g. temperatures) generated and stored by [Sys5Log](#) in database
- All user-definable data (e.g. Sensor parameters) changed via [Sys5Adjust](#) and stored in database
- Data export to text file, graphics file, CSV file (for Excel) and PDF file
- (ES version only) Data output to printer or file includes user verification and data security check information.

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