

ICESPY PC SOFTWARE (ICESPY SYSTEM 5) SYSTEM5ADJUST: FUNCTIONAL SPECIFICATION

Overview

Sys5Adjust is a user-friendly 'front-end' for changing of settings in the System5 database. Changes to settings are allowed only by authorised users (users themselves are also set up via this application when System5 Administrator is logged on). Changes to settings of Sensors, Zones and Bases are provided for. No values of automatically recorded information (e.g. temperature values from Sensors) can be adjusted by any user.

(ES version only) All information protected from change, even using 3rd.-party SQL tools

The application works at two levels: a simple dialog for changing the common settings of a single Sensor (available by clicking the relevant sensor in System5View), and a full-page dialog which enables all changes.

Audit trails are provided for changes to sensor settings in Network and ExtraSecure versions. Extra Secure version also provides audit trails for changes to Bases, Zones and Users.

PC Requirements

Please see Sys5Log specification for details.

Functions

- Simple dialog for changing common Sensor settings for one Sensor at a time (name, high alarm, low alarm, alarm delay time, colour indication on screen / printed outputs): accessed from [Sys5View](#) for convenience.
- Dialog for changing settings of all sensors in database, accessed from the simple dialog or direct from desktop 'shortcut' or from [Sys5View](#) toolbar.
- Adjustable parameters for each Sensor, Zone, Base and User (as indicated in 'data' below)
- Any changes in settings automatically linked to Sys5Log via flags in database, such that [Sys5Log](#) can upload changes to Base units as required.
- Individual sensors can have all settings changed without restarting recording or upsetting other sensors in any way.
- Setting up of system users at administrator, adjuster or viewer levels. Adjustable parameters for each user as indicated below
- Screen display (and access to printout) of audit trail for changes:
 - (Compact version) No audit trails available
 - (Network version only) Audit trail for sensors
 - (ES version) additional audit trails for Zones, Bases and Users
- 'Zone Groups' enable sensors in allocated Zones to be available to only certain users and/or appear in base units of certain departments

Data

- Adjustable parameters for each sensor include:
 - descriptive name.
 - alarm levels (low and high)
 - zone allocation (any combination of zones for each Sensor)
 - colour indication on screen / printed outputs
 - alarm delay time
 - additional alarm options (critical alarm in any zone, repeat alarm, missing data alarm, signal when alarm clear)
- Adjustable parameters for each Zone include:
 - alarm destinations (multiple, time-cascaded destinations for each zone) and alarm routing information
 - alarm-off periods (48 half-hour periods per week)
 - descriptive name
 - Zone Group
- Adjustable parameters for each Base include:



ICESPY PC SOFTWARE (ICESPY SYSTEM 5) SYSTEM5ADJUST: FUNCTIONAL SPECIFICATION

- descriptive name
- Zone Group
- Netmask, Gateway, address of viewer for Web Server
- Which sensors control the 4-20mA outputs (if fitted)
- Alarm parameters:
 - Audible alarm on/off
 - Flag for sending of alarm when mains power fails
 - Flag for sending of alarm when all radio signals are lost
 - Delay period for initiating alarms
- Adjustable parameters for each User include:
 - Windows or SQL database login (authentication)
 - Password (for SQL login)
 - Access level (administrator, adjuster or viewer)
 - Control of pop-up alarms in [Sys5View](#)
 - Up to 5 passwords (PINs) for cancelling of local alarms via user interface

Alarms and Zones

- Provision of localised alarms to alert operators when out-of-range exceptions occur.
 - See individual specifications of BASE for definitions of alarm functions provided for this
 - Provision for acknowledgement of local alarms at BASEPLUS or at PC –
 - Acknowledgement of local alarm will not affect remote alarms initiated by same Sensor
- Provision of remote ('critical') alarms to alert managers when out-of-range exceptions occur:
- Three separate alarm destinations (personnel with responsibilities for dealing with alarm events) can be associated with each individual zone. These alarms can be set to be sent in sequence until a response is received (via email).
- By including sensors in more than one Zone, several alarm destinations can be set for each sensor.
- For each Zone, there is an option for alarms to be shut off for definable days / hours during the week (Sunday-Saturday) in increments of 30 minutes allowing different alarm destinations for different times of the day/week.
- Alarms can be initiated either from BASE units (if they have been fitted with suitable hardware e.g. modem), or from [Sys5Log](#), or both.
- Alarm destinations can be mobile phone numbers (for text messages) or email addresses.
- Sensors in 'Zone zero' will never send alarms. These sensors have undefined setups and are awaiting allocations and definition of parameters.

END OF DOCUMENT
