

# MEERKAT CHICKEN HOUSE CONTROL SYSTEM



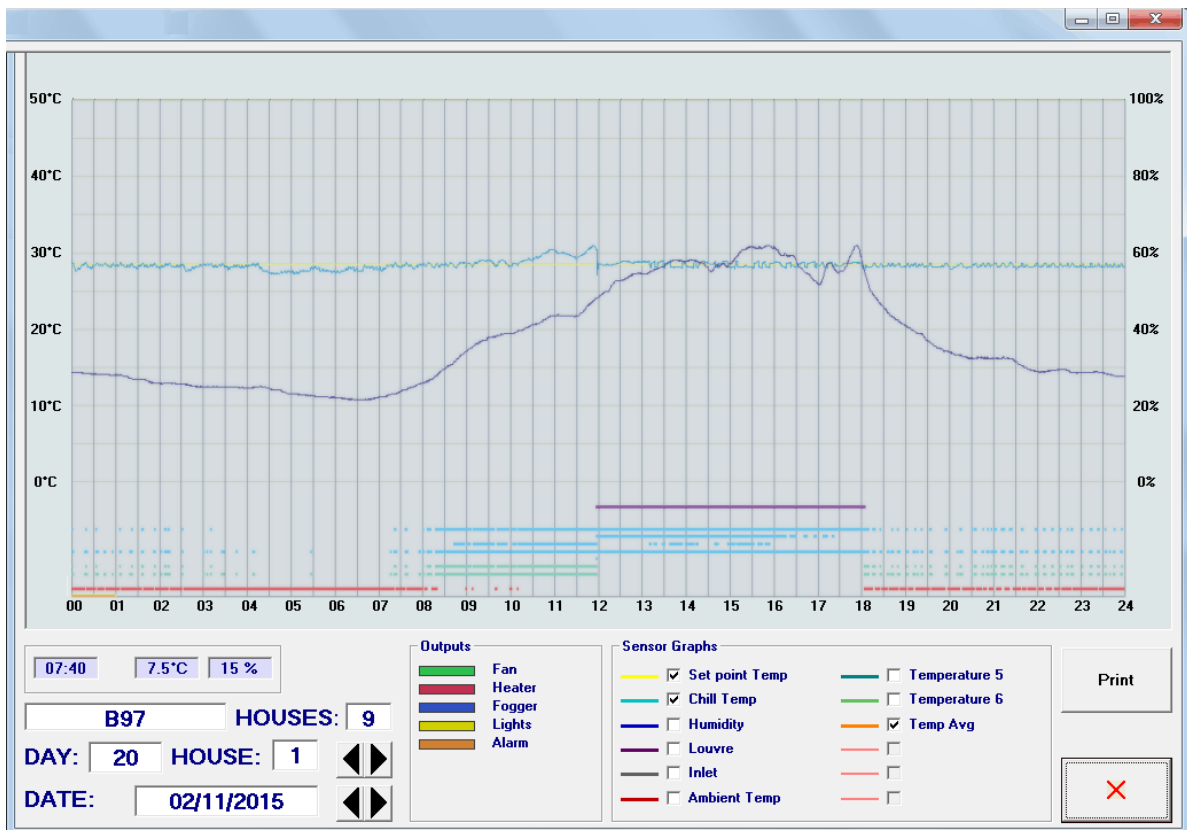
## HOUSE CONTROLLER
























# PC MAIN SCREEN



# HOUSE HISTORICAL DATA GRAPH



## FEATURES AT A GLANCE

-  Control of temperature inside chicken houses using a number of output devices, e.g. hot water radiators, extractor and circulation fans, foggers, sprinklers, flaps, etc.
-  Fully automatic & autonomous control per chicken house.
-  Fully digital sensors for high accuracy & drift free readings.
-  Single common cable for all sensors, for saving cost on wiring.
-  Easy setting up of all set points via PC.
-  Settings done graphically according to chicken age, either for whole site or per chicken house.
-  Real-time monitoring of all chicken houses on the PC, with on-screen display of all relevant information.
-  Detailed display of control outputs & sensor readings on individual Controller front panels.
-  Real-time logging of all data from sensors on PC, for record keeping & feedback.
-  Historical data viewing on PC screen in graph form, or printing out of graph data.
-  Instantaneous re-ordering of cooling stages via PC.
-  Capability for specific outputs (e.g. extractor fans) to be overridden to always on or always off via PC.
-  Capability to set outputs to cyclic mode, either cycling all the time, cycling when activated by controller, or cycling when not activated by controller.
-  Control of lighting inside chicken house via PC using easy graphical setup screen.
-  Automatic daily updates of all settings from PC according to chicken age.
-  Temperature control includes chill factor calculations according to wind speed.
-  Automatic switching from Cross-flow Mode to Tunnel Mode, depending on temperature and output device sequence settings.
-  Logging of useful information per chicken house, e.g. water & feed usage.
-  Alarm set points for all sensors, with alarm outputs for siren, as well as optional GSM module for sending SMS's to specific cell phone numbers upon alarm condition.
-  Instantaneous recalibration of sensors via PC.
-  Password protection for modifications to settings.