

**The SmartTalk<sup>®</sup> Data Logger provides a convenient central point for connection of all ModuSat<sup>®</sup> HIUs on a communal heating scheme.**

ModuSat unit's are linked via a hard wired TCP/ IP Ethernet network. This enables the SmartTalk<sup>®</sup> two-way communication system to deliver instant downloads of billing and consumption data, end user assistance including operation of individual units remotely and uploading of software upgrades.

The ModuSat HIUs are connected to the data logger via a network switches which can be placed in the riser cupboards around the building allowing the network to be wired in series or in a star or tree topology.

**The SmartTalk<sup>®</sup> Data Logger provides a connection of up to 640 ModuSat Units**

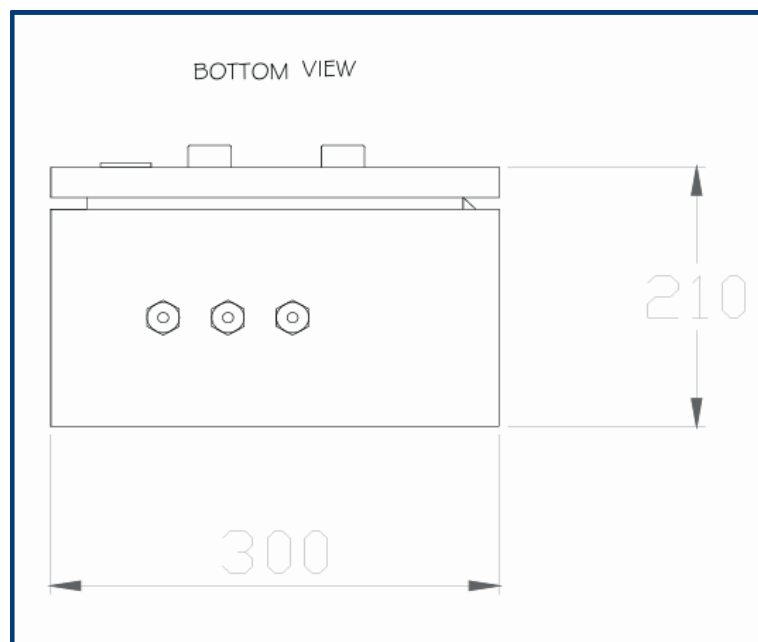
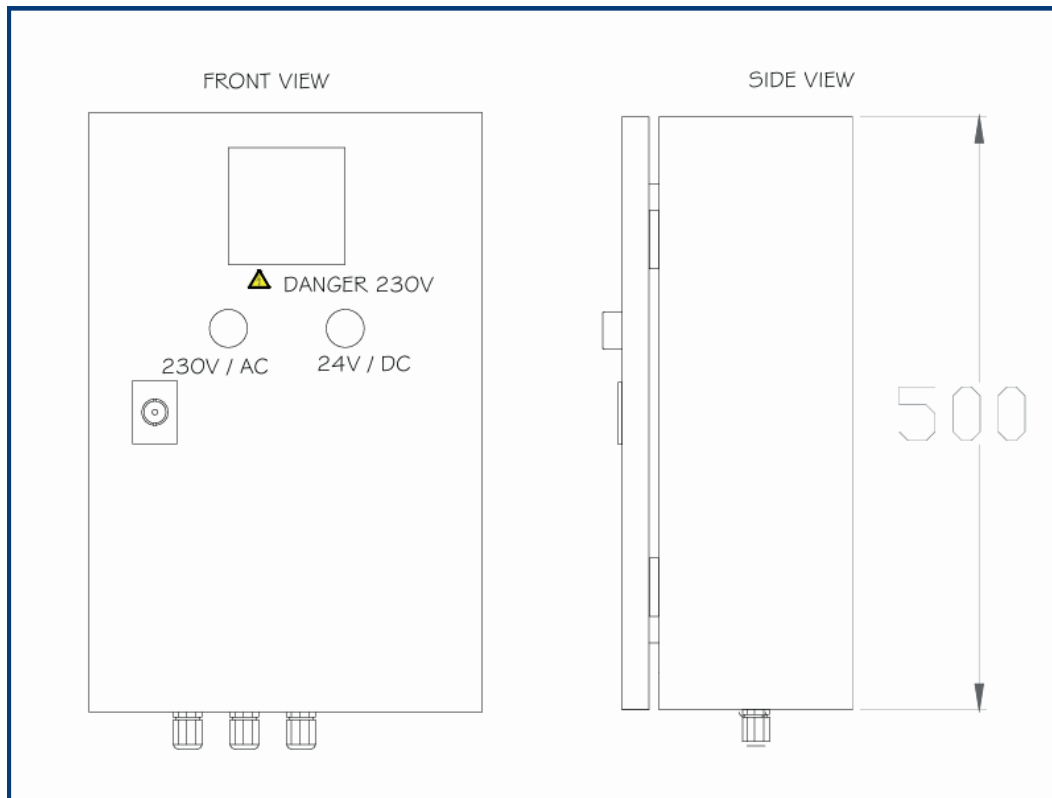
Details of the cabinet sizes for the data logger are detailed on the following page.



## Features & Benefits

- Up to 640 ModuSat<sup>®</sup> HIUs / Meters can be connected to a single master panel
- Broadband connection to central supervisor
- IP65 rated enclosure.
- Simple screw down terminal connections
- Enables the system in each apartment to be fully controlled remotely, including timings
- and settings, and provides remote diagnostic capability and client support
- Remote operation of each unit via data logger panel aids commissioning process and facilitates the fast upload and download of data
- Fault alarms can be checked by testing the operation of components
- Empty apartments can be monitored and controlled without the need to visit site for example un-sold or un-let properties can be left on frost protection and if the unit is sold or let or simply has a viewing then the heating can be turned on from the management office
- Avoids unnecessary call-outs as a result of user error
- Data logging of apartment temperatures
- Improved data integrity and upload and download speeds

## Dimensions - SmartTalk<sup>®</sup> Data Logger



## SmartTalk® Data Logger Connection Details

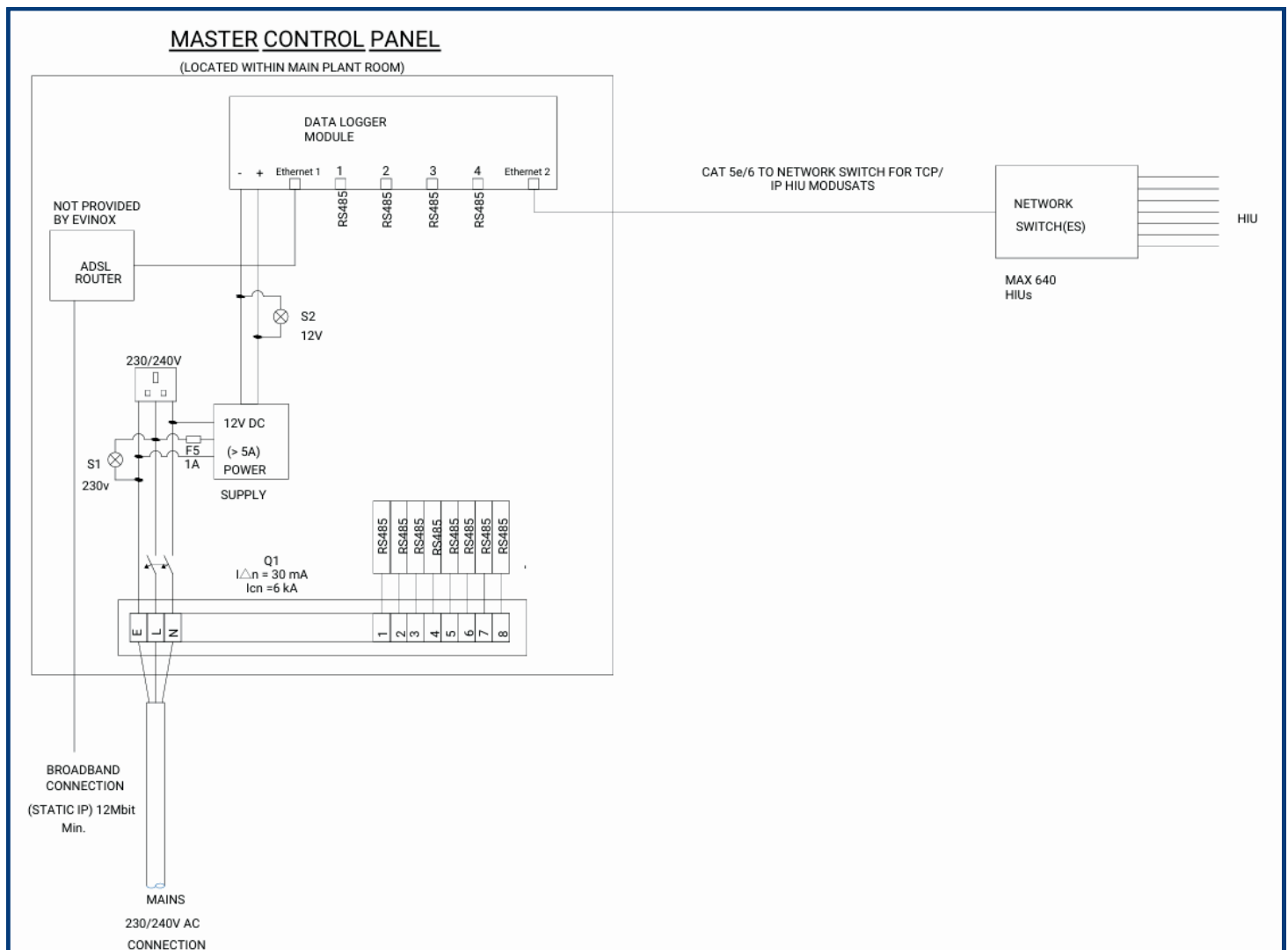
The SmartTalk® data logger can be connected to a remote main supervisor via a broadband connection with static IP.

The SmartTalk® data logger also includes connections for monitoring the primary flow and return temperatures within the plantroom and features connection of an external temperatures sensor.

External temperatures can be uploaded to each individual HIU to enable the units to operate with weather compensation.

The SmartTalk® data logger has provision for boiler volt free control via a 0-10 volt signal and alarm inputs / outputs, which can be programmed for a number of various requirements to suit the specific requirements of the scheme.

## Typical SmartTalk® Data Logger Panel



## Typical System Architecture

