

## Controller targets Agritech

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The EDAC 800 SMS Controller has four inputs and four outputs that can be independently configured.

Specifically targeted towards the agritech industry, the new EDAC 800 SMS Controller is a communications device that allows wireless remote and mobile data logging, alarm monitoring and control via GSM networks. Its applications around the farm are almost limitless - Controlling irrigation systems, pumps, logging temperatures, activating equipment by cellphone, and security monitoring are just a few possible uses of the EDAC 800 SMS controller.

### The Challenge

Farmers usually have many hectares of land under their management. For some, this can mean significant time is taken up each day simply by traveling from one end of the farm to the other – often to perform basic tasks such as turning irrigation systems or pumps on and off.

Ronder McKinlay of Crossfields Electrical faced a similar problem when installing a large irrigation system for a South Canterbury farmer. The new system was to include two large irrigation rigs on ridges either side of a valley located about 25km from the farmer's house. Pumps were installed in a shed on the valley floor. This would incur large traveling time for the farmer to drive to the shed whenever the pump required activating or shutting down.

### The Solution

After consulting with EDAC Electronics, Ronder decided to install three EDAC 800 SMS controllers, one on each irrigator and one in the pump shed. The farmer now has an automated irrigation system that he controls and monitors entirely from his mobile phone. He also has the option of monitoring and controlling other applications from the same SMS Controllers. The unit can also log data to a secure web-site or to its internal memory.

The installation has been very successful – the farmer was extremely satisfied with the new set-up and performance of the EDAC 800 SMS Controllers.

### The Benefits

Providing savings in time and money, the EDAC 800 SMS is a cost-efficient means to control and monitor equipment. By connecting sensors to the unit, the SMS Controller can be used as a security device that will notify you by text message to cellphone if triggered.

Inputs, outputs, temperature and GSM network signal strength can be

logged to the internal memory and to the secure web based logging system. Data may be accessed via the client area of the secure web-site in Microsoft Excel format. Different logging rates can be applied when an alarm is present, and instantaneous or averaged values can be logged.

For more information on the EDAC 800 SMS Controller visit

**[www.edacelectronics.com](http://www.edacelectronics.com)**