Celtifier

The electronics can be packaged into various enclosures

Examples:
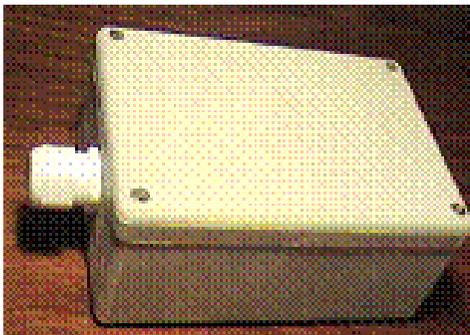
SPECIFICATIONS

Controller board

Power supply	9 – 18V (12V nominal)
Dimensions	84 x 84 x 15mm
Outputs	7 x relay drivers for 12V relays (up to 48V, 350mA) 1 x TTL output
	1 x 5V ref. for external devices
Inputs: discrete	8 x DC/AC 5V – 18V (higher voltage by external resistor)
Inputs: analog	4 x 0 – 5V or 0 – 20mA
Communication	I2C, connected to output connector
Power consumption	approx. 50mA
Operating temperature	-5 to 55DegC

The SIM card PIN number is set up by the supplier. Alternatively a PC interface can be supplied to communicate with the Celtifier by which the SIM card PIN code can also be set.

relay attachment

Outputs	3 x relays with SPDT contacts 250Vac 10A

I/O and relay Module CIO77 (plug-in, not shown)

Inputs	6 x AC/DC 5V – 18V optoisolated (higher voltage by external resistor)
" optoisolated	2 x AC inputs 24V–240V~
Outputs	7 x SPDT relays: 250Vac 10A 1 x red LED
power supply	connection for 12V lead acid battery
Dimensions	fits on top of controller board, makes a 123 x 100 x 46mm module

Contact information

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Celtifier

GSM based controller

- Sends an SMS or miss-call when a sensor or any input condition is activated

- Switches anything on or off by sending it an SMS or miss-call

- Monitors and reports anything connected to it

- Communicates with any cell phone anywhere

- responds only to preset phone numbers (up to 80)

- phone numbers, messages and other setups can be done via SMS's - for each input: destination Tel.no, duration of miss-call or text to be sent, which output is to give a pulse etc.

- Modules can be supplied for:
  - optically isolated inputs
  - relay outputs
  - GPS
  - cable monitoring
  - RS232/RS485 serial comm.s

- Functionality can be adapted by request, e.g. pulse counts, GPRS, pilot wire monitoring etc

- <u>Celtifier</u>

The Celtifier provides you with a unique remote control and information mechanism fully under your control.
Stay in touch with your home, office, car, business or production plant.

By using the SMS facility of your personal cellular mobile phone you can send instructions to and be notified by the Celtifier installation.

Sending commands to your home or business

By a sending an SMS from your mobile phone the Celtifier can turn on the lights in your home, start the water pump for the irrigation system, start the coffee machine and turn on the heating system.

Through an inexpensive relay module it can provide seven 10 amp relay outputs which can be connected to eight different appliances.

With an inexpensive expansion board the number of outputs can be increased to any number on request.

Receiving vital information

Connected to your burglar alarm system for example, the Celtifier can send you a message when the alarm has activated and which zone was involved if the zones are individually connected. There are eight signal connections which can provide information on eight sensors.

With an inexpensive expansion board the number of inputs can be increased to any number on request.

You can interrogate the Celtifier to receive information about which outputs are on or off, which inputs or sensors are activated, what happened the last couple of times it sent an SMS or miss-call, or get the remaining air time.

Once a month you will be notified automatically of the remaining air time.

Stay in control – be empowered

You put your own SIM card into the unit, that's the only running cost.

You can enter telephone numbers into the Celtifier to which it responds or sends SMS's.
So no one else can tamper with your Celtifier installation.

For each output you can set whether it should turn on or off according to your SMS or whether it should give a pulse.

The outputs can also be set to activate when you send it a miss-call with a certain number of rings.

For each input you can tell it to send you an SMS or send a miss-call with a certain number of rings.

You can also enter the messages to be sent for each input activation and to which number it is to be sent.

Any output can be set to either latch or give a pulse output.

The Tel.no. of the cellphone network air time account is part or the initial setup.

All by sending an SMS.

Instead of using SMS's, an RS232 interface and software is available for setting up the Celtifier with a PC.