

# RTCU

## Remote Telemetry and Control Unit

The Logic IO RTCU range of products offers innovative solutions for the control of unattended plant and equipment. Each RTCU combines a Programmable Logic Controller (PLC) and a GSM telephone data modem tightly integrated into a single modular unit. Logic IO RTCU provides the user-friendly answer to your remote monitoring, remote control, surveillance, energy conservation, and data gathering needs. The RTCU product line makes remote control technology simple, cost effective and accessible for small medium and large applications.

### Logic IO RTCU is ideally suited to

- *Agricultural Machinery*
- *Machine Surveillance*
- *Sprinklers & Irrigators*
- *Greenhouses*
- *Pump Set Control*
- *Air Conditioning*
- *Refrigeration*
- *Cool Rooms*
- *Diesel Generator Plant*
- *Alternative Energy Systems*
- *Holiday homes & Cabins*
- *Coastal Marine*
- *Container Monitoring*
- *Sports Grounds*
- *Data Logging*
- *Remote Metering*
- *Security*
- *Mobile tracking systems*

The RTCU concept makes remote control accessible and affordable with real advantages for designers, installers, owners, operators and service personnel.

**Designers** – RTCU is designed with rapid implementation in mind, it offers a flexible multi function solution for a wide variety of needs. Use a combination of “off the shelf” and custom programs to exactly match your requirements. RTCU is flexible operates over a wide range of voltages and readily interfaces with other standard equipment, systems and networks.

**Installers** – Available in DIN rail mounting or IP67 weatherproof enclosures the RTCU readily adapts to any environment. Install, test and fully commission an RTCU in a single visit, no waiting for telephone lines. An installer can fully test & commission each

RTCU without requiring expensive portable computers & test equipment. All you need to set-up an RTCU is your cellular mobile phone.

**Owners** – RTCU protects your valuable equipment twenty four hours a day seven days a week. RTCU helps provide worthwhile savings in labour and energy costs. Minimise equipment downtime and reduce repair bills with automatic fault changeover and alerting. RTCU can be the basis of your Wide Area Energy Conservation strategy controlling all your remote facilities.

**Operators** – Day to day operation of the RTCU is simple and requires little or no training. Check the operation of your RTCU equipped plant from any fixed or mobile telephone wherever you are. Receive spoken voice and or SMS alarms immediately from your equipment.

The RTCU uses samples of real human voice with spoken prompts specific to your application. SMS messages to and from the RTCU are sent in plain English text.

**Service Personnel** – Rapidly diagnose equipment faults. Receive immediate notification of faults and equipment status. Load program updates or configuration changes from remote locations. Reduce the requirements for site visits & inspections.



# RTCU

## *Remote Telemetry and Control Unit*

### RTCU product line comparison

Feature	MICRO	MAX	Competitors
Control of outputs done with SMS messages	√	√	√
Input change sends SMS-message to a list of phone-numbers	√	√	√
Configuration of unit via. SMS-messages	√	√	Some
Easy configuration of unit with PC configuration program	√	√	Some
Control of outputs and status on input by use of voice / DTMF	√	√	
FREE configuration software	√	√	
Voice/DTMF Interaction (Voice Response System)	√	√	
Software update done from configuration program via. Internet	√	√	
True simulation on PC of complete unit functionality		√	
"Software only" upgrade to full functionality (MICRO->MAX)	√		
"Futureproof" with upgrade capabilities announced on demand	√	√	
Complete Integrated Development Environment (IDE)		√	
Remote update of software via. GSM network		√	
User programmable with PLC-functionality		√	
Build on fail-safe Real Time Operating System technology.	√	√	
New features downloadable from internet	√	√	
Complete product-line based on same concept.	√	√	Some
SMS-message gateway to Windows applications.		√	Some
Advanced datalogger features		√	
Integration with SCADA-software packages		√	
Full GPS-Support for mobile applications		√	
Optional GPS-Smartantenna.		√	Some
Optional RS-485 multidrop network		√(A6/D4)	
LCD-Display		√(D4)	
User defined/ user spoken voice messages	√	√	
Advanced IEC1131-3 based high-level programming language.		√	
Supports GPRS		√(A9/M10)	

MICRO refers to the RTCU-MICRO-D4 or RTCU-MICRO-A6 product.

MAX refers to the RTCU-MAX-D4, RTCU-MAX-A6, RTCU-MAX-M7, RTCU-MAX-A9 or RTCU-MAX-M10.

Please see separate product sheet for each individual product.

**For more information:**

**Web:** [www.rtcu.dk](http://www.rtcu.dk)

**Email:** [info@rtcu.dk](mailto:info@rtcu.dk)

*Distributor:*