ZONITH

Remote Telemetry & Control Unit (RTCU) via TETRA and/or GSM

Extremely cost efficient alarm monitoring and remote control of distant technical installations making extensive wiring super-fluous. Connects by I/O to technical installations. Can be configured to send TETRA SDS or GSM SMS text messages if an input runs high or low. Control technical installations from your radio (i.e. opening gates, adjusting technical inputs and so on).
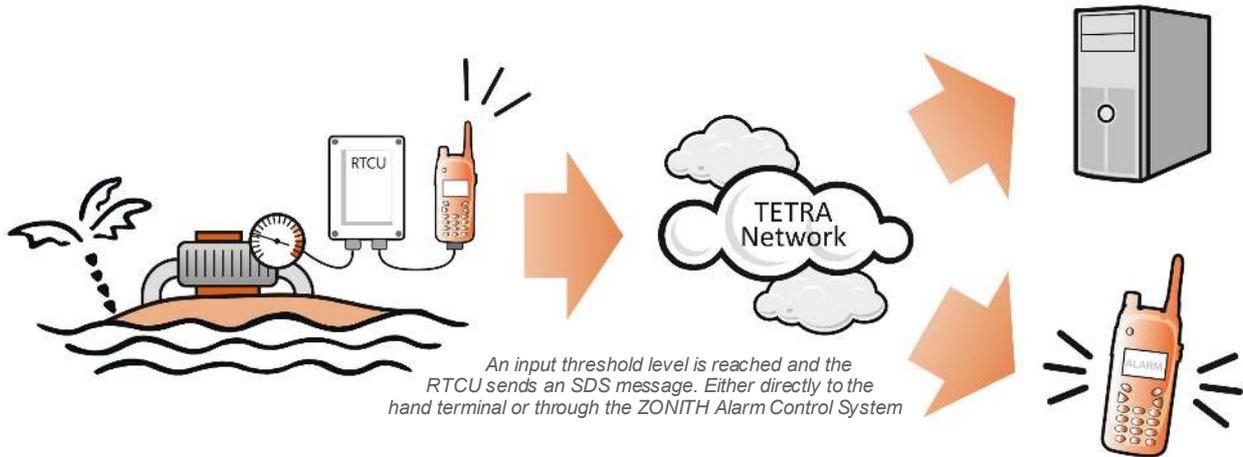
TETRA and/or GSM based Monitoring and Control

Whenever there is a need for secure and reliable monitoring and control of remote technical installations, ZONITH's Remote Telemetry and Control Unit (RTCU) will do the job. The unit transmits wirelessly alarms reliably to personnel.

Remote installations that previously had to be controlled manually can now be monitored and controlled by personnel on the ground on their TETRA radios or a dispatch application like the ZONITH Alarm Control System.

Effortless Functionality

It is easy. All you have to do is follow a few configuration instructions. When you have configured the RTCU, it gives you instant information if something needs your attention. The RTCU sends text messages when an input is activated or when a threshold value for an analogue input has been reached. Output signals or relays can be activated by sending SDS text messages to the unit. Alternatively - or as a fail-over option - the RTCU can operate by SMS.

An input threshold level is reached and the RTCU sends an SDS message. Either directly to the hand terminal or through the ZONITH Alarm Control System

Tough and Versatile

ZONITH's Remote Telemetry and Control Units are characterised by their high quality, reliability and robustness even in harsh environmental conditions. Thus enabling you to easily monitor and control exposed installations.

Easy SDS Configuration

The RTCU is easy to make operational. Plug it in, connect it to a Motorola or Sepura radio and configure the   I/O's by SDS or SMS messages. The units are delivered pre-configured for control and monitoring and no programming is needed.

Adding Enhanced Automated Response

 Combining multiple RTCU's with Zonith's central alarm handling solution, ZONITH Alarm Control System (ACS), will enable quick response to any alarm type at remotely located installations. The ZONITH Alarm Control System monitors SDS based alarms from the RTCU and ensures automatic notification of personnel.

The RTCU has a Heart Beat-function, which ensures immediate reaction if the unit or network is down.

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PHYSICAL DATA

Mounting
  Surface Mouting via four screw holes in each
  corner

Dimensions (mm.)
  W130 x H180 x D60

Weight
  0,88 kg

Protection Class
  IP65

I/O SIGNALS

Digital Input signals (Low = 0 V. High = 24 V)
  5

Output Relays (230 VAC / 5 A)
  4

Analogue Input (0-10 V)
  4

Analogue Output (0-10 V)
  4

I/O Expandable
  Yes

TYPICAL USES

- Security and Surveillance Solutions
- Monitoring of Remote Technical Installations like
  water pump stations, wind turbines, remote radio
  sites
- Container and Vehicle Fleet Monitoring
- Remote Control (of gates for instance)

POWER SOURCE

230 VAC supply (build-in AC power unit)
  Yes

Supply via external 24 VDC
  Yes

Battery Backup (internal)
  Option

MESSAGE TYPE

SDS using Motorola TETRA radio terminals
  Yes

SDS using Sepura TETRA radio terminals
  Yes

SMS using GSM network (build-in modem)
  Yes

Failover to SMS in case of failed SDS delivery
  Yes