

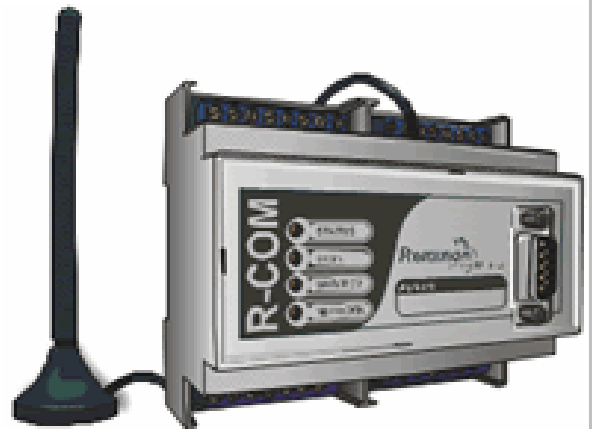
# R-COM



The R-COM cellular communications gateway links remote sites, PLC's— or sensors to a host PC control centre via SMS or GPRS communications

R-COM comes with an easy to use configuration SW for setting up input parameters for both analogue and digital inputs, including scaling engineering units and setting alarm levels or states. The configuration can be done on a PC and downloaded either locally using RS-232 cable or from a distant location through the GSM cellular network.

R-COM can be connected to either sensors and relays through its I/O or to a PLC through its RS-232 port using MODBUS or any other required protocol.



In order to reduce data transfer costs either SMS or GPRS communications may be used between the R-Com and the control centre. Also, the information from the remote site is processed by R-COM and transmitted to the supervising site in a condensed, user-defined manner.

## R-COM Specifications:

### HW interfaces

|                 |  |
|-----------------|--|
| RS-232          | one DB9 male   |
| Digital Inputs  | 8 (5-24VDC)  |
| Analog Inputs   | 2 Current (0-20mA)<br>2 Voltage (0-10v)<br>2 Resistance (PT-100) |
| Digital Outputs | 2 (relay 5A)   |

### Protocols

|               |   |
|---------------|---|
| PLC Protocols | MODBUS, Matusushita, Unitronics, Allen Bradley and others |
|---------------|---|

### Cellular Network Interfaces

|                |  |
|----------------|--|
| Technology     | GSM - 850/1900MHz<br>EGSM - 900/1800 MHz |
| Protocols      | CSD, SMS< GPRS                           |
| Internal modem | Sony Ericsson GR47                       |

### Electrical Characters

|                           |                 |
|---------------------------|-----------------|
| Voltage                   | 12 - 24VDC      |
| Current consumption @ 12v | Continues 120mA |

200mA Peak

### Physical Characteristics

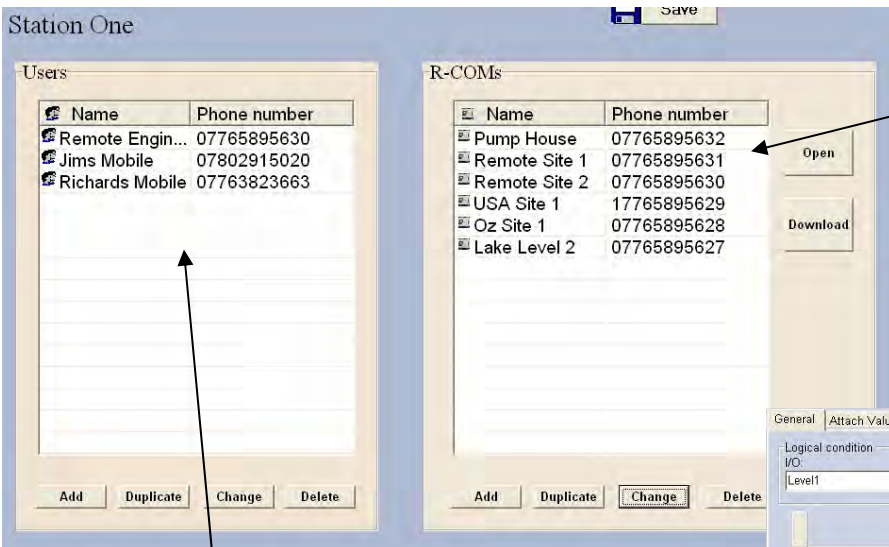
|           |                  |
|-----------|------------------|
| Dimension | 10.6 x 6.3 x 9cm |
| Weight    | 240gr            |

### Environment

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | -25°C to 55°C                 |
| Storage Temperature   | -40°C to 85°C                 |
| Operating Humidity    | 5% to 95%<br>Non - condensing |

## Data Communication system



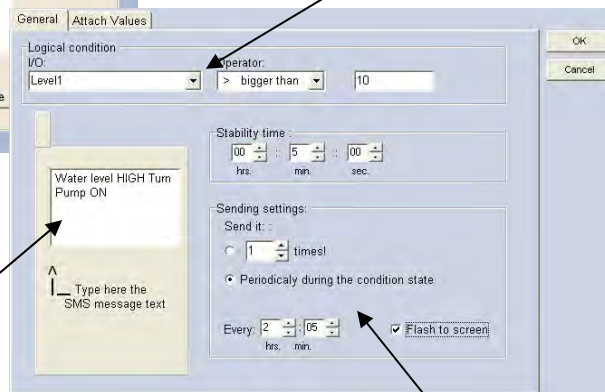


Various R-Com units can be attached to one project for installations with more than one unit

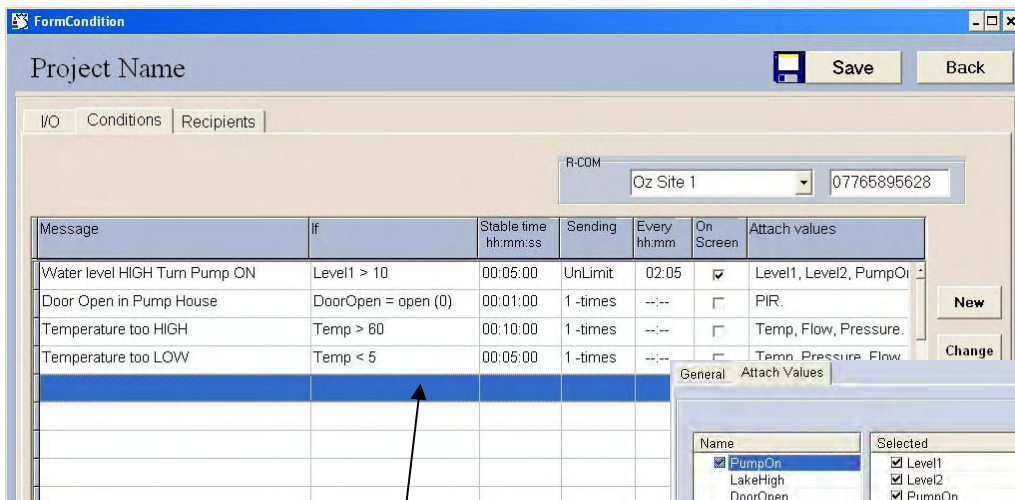
Logical programming of analogue and digital inputs

Multiple engineers phone numbers can be saved to each project

Ability to enter your own SMS text messages for alarms/notification



Single or multiple SMS text messages can be sent at pre-defined times



Attach various saved alarm conditions to each R-Com

Each R-Com unit comes supplied with the configuration software. This requires a PC running Windows 2000/XP

