



**Sensors**



**Switches**



**Controls**

## Application notes



**Application Note : July 2022**

**Market involved : All**

**Product : RSGD**

**Customer : OEMs, System integrators**

**Subject : Improving process efficiency and minimizing equipment downtime**

### CUSTOMER ISSUE :

In various industrial processes OEMs are looking for solutions to improve efficiency and minimise equipment downtime.

The first reason to implement the above strategy is that monitoring critical process data can help the users to make informed and timely decisions.

As motors are amongst the main energy consumers within any industrial process, it is logical to monitor their condition and loads in real time to identify areas where energy can be saved.

One of the challenges that system integrators/OEMs face today is that soft starters equipped with a communication interface are too advanced for their needs. This brings in two disadvantages: product cost and large dimensions.

### OUR SOLUTION :

With the RSGD it is our intention to position ourselves in a new category whereby we offer a compact soft starter with advanced performance.

The advanced performance comes from the control on all the 3 phases and the availability of a communication interface (Modbus RTU).

The RSGD can exchange different sets of data with a PLC in real time that can then be monitored by the supervisory equipment for the required process control functions.

The data from the RSGD includes: all the main energy variables, number of starts, fault information, soft starter status and much more.

In addition, the RSGD retains data of the last 32 performed starts. Such data can be very useful during maintenance and troubleshooting activities.

### BENEFITS :

- Cost-effective solution that enables real time monitoring
- Unique in the market advanced functionality without increased configuration complexities
- Substantial panel space savings compared to existing soft starters
- Minimises troubleshooting time with a history file on of the last 32 starts