New player joins a well-established team: INSYS GSM easy and Moeller's easy™ control relay

Failure alerts, status requests and remote maintenance via GSM

Regensburg, 15. April 2009

Regensburg – INSYS GSM modems allow users to quickly establish cost-efficient wireless remote maintenance and control solutions when combined with a control relay from Moeller,. The GSM modem from INSYS MICROELECTRONICS has been optimized for use with the Moeller easy MFD, easy 800, easy 500 and easy 700 PLCs – suitable INSYS connection cables are also available, including opto-isolation..

Figure: Cost-efficient, wireless remote maintenance solution:
INSYS GSM compact with an easy-type mini PLC from Moeller

Special firmware that is adapted to the PLC enables the GSM modems to monitor the status of the Inputs/Outputs, the internal flags and the actual data values and to transmit commands to the PLC. Data values can be included in text messages which are sent out by SMS request or at given times. Freely definable messages can be sent if pre-configured limits are exceeded or if the device's interrupt inputs are triggered. A confirmation request for received messages can be specified as well.

In addition to its two inputs, the GSM device features two switching outputs with potential-free changeover relays. The switching outputs can be be controlled via AT commands, via SMS or via an interrupt input. The sophisticated concept facilitates operation even for users who do not

program the control relay themselves: up to 30 object instances, such as inputs, outputs, flags or function blocks can be assigned freely definable alias names, i.e. “symbolic” names which are easily understandable for anyone.

One of the modems key functions is the remote configuration of the control relay via Moeller's standard tools. For that purpose, the INSYS-developed PC program INSYS Connect establishes a transparent connection to the INSYS GSM easy device. The INSYS GSM easy can be configured either via AT commands or via the Windows-based configuration software HSCOMM easy.

Measuring 55 x 110 x 75 mm, INSYS GSM easy units are designed for DIN rail mounting. Additionally, the housing model INSYS GSM compact for flush-mounted distributor boxes is available as of now. Both versions operate with a supply voltage of 10...60 V DC.

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