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- Specially for applications with emergency power generators HIQUEL presents new control relays based on the *in*-case series.

Please note:

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Beside a new SLS-500 MODBUS-Master module for direct connecting of simple MODBUS RTU components HIQUEL presents a number of new relays out of the *in*-case series.

**Hannover Messe:
INTERKAMA⁺, Factory
Automation; Industrial
Building Automation:
Halle 9, Stand E18**

*Bairisch Kölldorf, 21st April 2008 – At this year's Hannover Trade Fair HIQUEL GmbH will present the further completed *in*-case series in the field of Monitoring and Timing relays, that feature high functionality to make them more universally applicable. HIQUEL also presents a new extension module for the successful SLS-500 control system. The new SLS-500-GW MODBUS-Master module enables a direct connection to simple MODBUS components.*

Customer demands placed on today's control systems mean ever more complex control requirements but at the same time often place limits on the amount of space available.

HIQUEL's solution is the new *in*-case series developed for industrial automation purposes, an integrated range of Industrial Monitoring and Timing relays in a new, compact 22.5mm DIN rail case. "While designing this new series, which also features a new micro-controller, we focussed on high functionality of our *in*-case models. As a result this not only helps us to save costs in our production process but also our customers will benefit from lower stock investment and faster deliveries", Mr. Weiss says.

With the development of the SLS-500-GW MODBUS-Master gateway the SLS-500 series becomes even more universally accepted in the field of building management as data from simple MODBUS components like the SLS-500-MBUS converter, the ENOCEAN products (wireless light switches etc.) or the DALI-system can directly read and processed", Mr. Weiss exemplifies

HIQUEL's presence at the Hannover Trade Fair 2008 will be used as an opportunity to present the newest products to the market. "We are excited with what we have to say this year and can't wait for interested people to visit our stand, as during the last years we were able to establish many business relations and active distributors of HIQUEL products at Hannover Trade fair", Weiss further explains.

Please send reader enquiries with the keyword ,PR 042008' to:

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E-Mail: presse@hiquel.com, Internet: www.hiquel.com

Background:

HIQUEL at a glance

Founded	1992 as HIQUEL GmbH
Director	Herbert Weiß
Legal form	GmbH
Partners	Herbert Weiß, Herta Weiß, Josef Meixner
Company seat	Bairisch Kölldorf represented through distributors in 30 countries all over the world
Branch	Electrical- and Electronic Industry
First Products	Time relays, Control Relays
Product range today	Programmable Controller modular PLC's 14 I/O – 2.000 I/O compact PLC's Time relays Monitoring relays Interface relays HMI products Network data communication Video surveillance
Contact	HIQUEL GmbH Public Relations Bairisch Kölldorf 266 8344 Bad Gleichenberg Austria Telephone: +43(0)3159/3001 Fax: +43(0)3159/3001-4 E-Mail: presse@hiquel.com Internet: www.hiquel.com

News:

The new MODBUS-Master-Gateway for the SLS-500 Controllers enables a direct connection to simple MODBUS components.

**Hannover Messe:
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Automation; Industrial
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Halle 9, Stand E18**

Bairisch Kölldorf, 21st April 2008 – HIQUEL presents a new extension module for the successful SLS-500 control system. The new SLS-500 MODBUS-Master module enables a direct connection to simple MODBUS components.

With the development of the SLS-500-GW MODBUS-Master gateway simple MODBUS components can be directly connected to the HIQUEL PLC-System SLS-500. For example the SLS-500-MBUS-MODBUS converter for reading up to 8 MBUS meters, the innovative ENOCEAN products for remote operating of building components or DALI components.

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Presseinformation

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Legend:

The SLS-500 Modbus-Master-Gateway communicates directly with simple Modbus-components.

Photo: HIQUEL GmbH

News:

The new time relays out of the *in*-case series surprise with special functions like instantaneous contact and off-delay without power supply.

**Hannover Messe:
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Automation; Industrial
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*Bairisch Kölldorf, 21st April 2008 – The *in*-case series will be extended by a number of new innovative time relays.*

All Time relays of the new *in*-case series feature most common supply voltages on one type (24Vac/dc, 115...230Vac) and LED's for supply status, failure, output relay status, control input status and timer(s) operating.

The new multi function timing relay ITM216 offers 13 common timing functions selectable by a rotary switch (on delay, off delay, on pulse, symmetrical recycler...) and 9 selectable timing ranges between 1 second and 10 days. The special feature of the ITM216 is the instantaneous contact which provides a potential-free contact at power on. This for example allows to trigger a motor brake and then to start the motor itself with an on-delay.

Also new are the two types of the off-delay relay ITA which keeps the off-delay timer working after breakdown of the power supply. The ITA is available with SPCO or DPCO configuration.

The bistable Relay ITT16 offers 3 toggle and 4 flip/flop settings, further for the sake of flexibility three commonly used timing functions can be performed with this model. The toggle function can be blocked or enabled simply by using the rotary switch and for the flip/flop function priority set or reset can be selected. If desired the output signals can be inverted.

Technical specification:

- supply voltage variation: nominal voltage: -20% .. +10%
- frequency range: 48..63Hz
- duty cycle: 100%
- repeat accuracy: <1%
- operating conditions: -20°C..+60°C non condensing
- expected lifetime mechanical: 10^7
- expected lifetime electrical: $8 \cdot 10^4$
- 22.5mm DIN rail mount housing

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Legend:

The new **in-case** series offers intelligent Monitoring Relays and Timing Relays especially developed for industrial automation with ultra- high flexibility in compact space saving 22.5 mm housing.

Photo: HIQUEL GmbH

News:

Specially for applications with emergency power generators HIQUEL presents new control relays based on the *in*-case series.

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*Bairisch Kölldorf, 21st April 2008 – The *in*-case series will be extended by a number of new control relays.*

All control relays out of the *in*-case series are supporting 2 different manual reset functions: Volatile – an alarm will be reset when the supply voltage is removed; Non-volatile – the alarm condition will be electronically latched and can only be reset by pressing the reset button. The controls of the *in*-case series are color coded for simplicity. For better function analysis the *in*-case relays are featured with LED's for supply voltage, error, output relay status and active timers.

Beside the approved types for single phase voltage- and current-monitoring as well as the monitoring types for level and temperatures and three-phase relays for phase to phase monitoring there are some new types for three-phase phase to neutral monitoring available.

The three-phase voltage monitoring relay ICPV measures voltages within the range of 80-260Vac. The relay is powered by the measuring signal. Three different measuring modes are supported and selectable by the DIP-switches: OVER-voltage, UNDER-voltage and INNER-voltage (between two selectable thresholds). Additional it is possible to choose between automatic or manual reset. For higher flexibility it is also possible to select between one or three phase monitoring. With three phase monitoring it is also possible to monitor the phase sequence.

Specially for applications with emergency power generators the ICPV was supplemented by the types ICPVA and ICPVA1.

The ICPVA features an off-delay within the range of 0-60 seconds in addition to the basic functions of the ICPV. The ICPVA1 features an off-delay within the range of 0-30 minutes (!).

The off-delay works without constant power supply in both types!

Technical specification:

- supply voltage variation: nominal voltage: -20% .. +10%
- frequency range: 48..63Hz
- duty cycle: 100%
- repeat accuracy: <1%
- operating conditions: -20°C..+60°C non condensing
- expected lifetime mechanical: 10^6
- expected lifetime electrical: $8 \cdot 10^4$
- 22.5mm DIN rail mount housing

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