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**Short-circuit proof thyristor controller**

Short-circuit proof thyristor controller from Gefran new at TELENew thyristor controller with short-circuit protection makes it possible to forego quick-break fuses.

**TELE is now offering the new Gefran thyristor controller with integrated Xtra overcurrent limiting for precise power control in industrial furnaces. Overcurrent limiting controls the output power and responds to overloads and short-circuits by interrupting the power supply and turning it on again when needed. This saves the need for additional quick-break fuses and, through low-latency switching, contributes to the prevention of serious damage. Shutdowns, which can be costly especially in heating systems with high power requirements, can thereby be minimized. The device may also communicate with a control center via ModBus. "Our new thyristor controller interrupts the circuit before overload problems can affect production. In applications with sporadic short circuits, the short-circuit protection can be set so that it puts the system in a standby state, in order to allow the system to be manually or automatically switched back on," explains Christian Kunst, specialist for power electronics at TELE.**

Availability is very important within industrial processes. Continuous flow without interruptions has a major impact upon quality and cost. This is especially true for heating systems with high power requirements. Here, it is above all the precise power control which determines whether production can take place cost-effectively or not. The Gefran circuit breaker from TELE with built-in overcurrent limiter enables automatic overload protection in electrical heating circuits by constantly and intelligently monitoring the load. If the amperage exceeds a preset limit, the device interrupts the circuit before an overload can cause problems for production. No blown fuses need to be replaced and no circuit breakers need to be switched on again.

**Intelligent control for sporadic short circuits**

In applications where sporadic shorts can occur, the short-circuit protection can be set so that it puts the system in a standby state, in order to allow the system to be manually (locally or remotely) or automatically (through a delay) switched back on. This prevents a costly, full plant shutdown. Production can continue, downtime is reduced, and profitability increases. The new GTF Xtra can communicate with control systems via ModBus. Digital parameter setting and archiving of data is made possible with the GF\_eXpress software.

**Text and image material available at**[**http://www.tele-online.com/organisation/kontakt/presse**](http://www.tele-online.com/organisation/kontakt/presse) **for download.**

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# About TELE: Founded in 1963, the company makes products for a better world and specializes in high-value industrial electronics such as monitoring technology, time relays, power electronics, and grid and system protection. Known as the Smart Factory, TELE is an innovation laboratory for integrated technologies. At its Vienna location it produces technological solutions for mechanical and plant engineering, renewable energies, water & waste, and other industry sectors. TELE's organizational culture is free of traditional hierarchies, which creates the space needed for independent thinking and extraordinary ideas. In 2014, the company generated approximately 14 million euros, 10.5 million euros of which were from exports. In addition to the site in Vienna with over 90 employees, TELE Group also consists of an international network of more than 60 trade partners.