PRODUCT INFORMATION

MAY 2021

Dear Customer,

We are pleased to introduce a NEW PRODUCT UPDATE, the EVO Control Board, that has useful features able to improve the performance of our High Speed Circuit Breakers.

More information on its benefits are described in this flyer.

Our Sales and Technical Teams are at your disposal for any further you may need.

Looking forward to receiving your feedback.

MICROELETTRICA

EVO MODERNIZATION

The fusion of Microelettrica's vast experience in both electromechanical and electronic fields has resulted in the EVOlution of the classic High Speed Circuit Breaker, now with electronic controller.

The development of this system comes from the need to have a completely automatic and autonomous modification of the intrinsic trip of the circuit breaker, when line conditions change, thus detecting a normal, degraded or emergency operation of the line.

This need arose for the first time on the Italian railway network, and the product has been approved by the main network operator.

The electronic controller can be supplied natively on new products or as an upgrade kit on the large installed base.

In this way, the EVO series switches, based on the same operating principle as the standard series, add the functions that only an electronic controller can guarantee, without any impact on the safety function that the HSCB is required to perform, including:

- precise adjustment of trigger points, thanks to the characterisation of the individual HSCB
- management of three independent thresholds via digital selection inputs
- communication with supervisory systems

IR6000 "standard"	IR6000 EVO
Single threshold	Three thresholds, selectable by digital inputs (Low, High and emergency trip)
Mechanical adjustment for trip point modification	Electronic adjustment for the three trip points
	Communication protocol for SCADA system (readout of trip value, and all status)
	Overvoltage and undervoltage protection of aux circuit
	Time stamped events

For further information please get in touch with our Sales Team