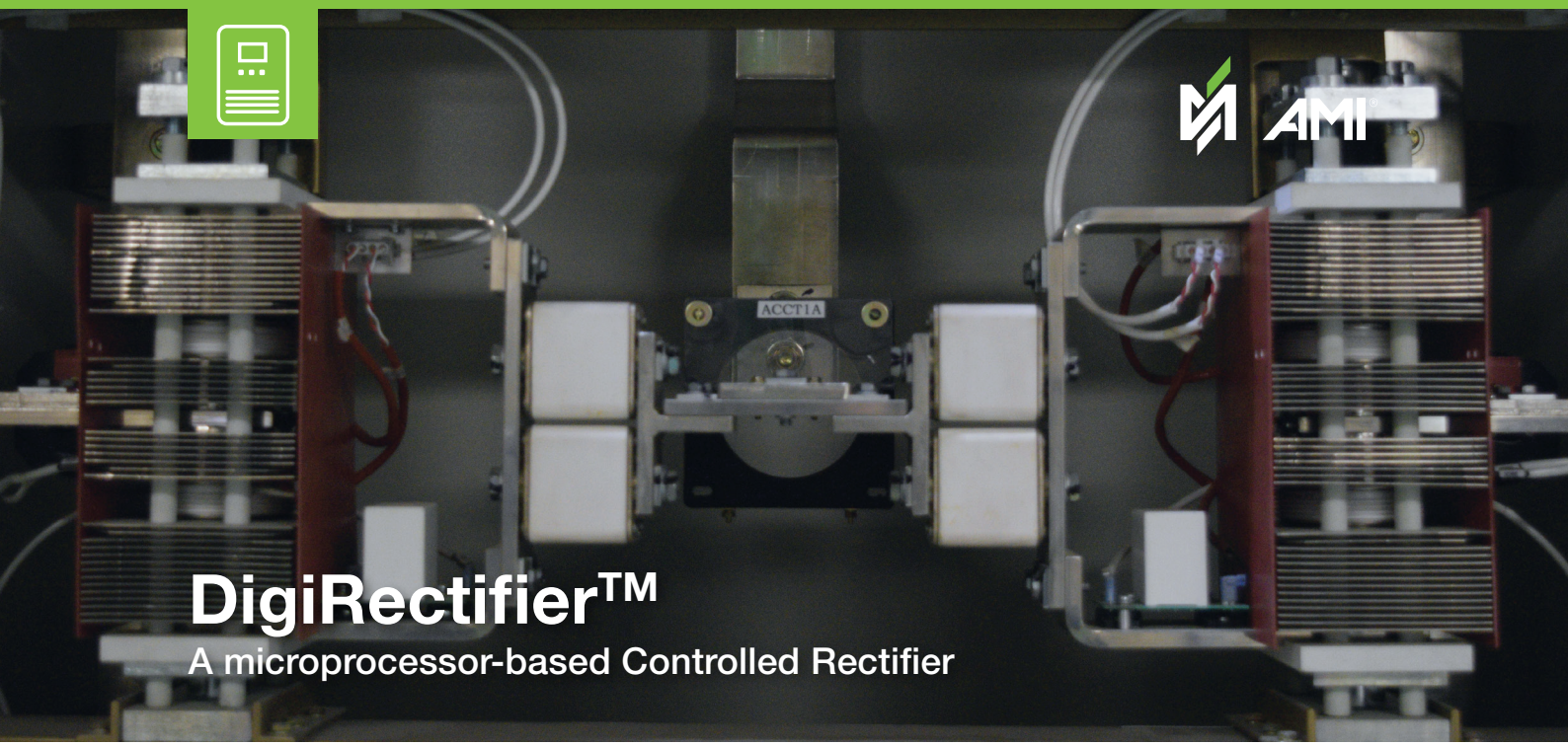


DigiRectifier™

A microprocessor-based Controlled Rectifier

DigiRectifier™

AMI Automation is a world class company with design, engineering, and manufacturing experience that allows covering a multiplicity of ranges, capacities and configurations as the applications required.

AMI Automation designs and manufactures custom rectifiers. Extensive factory testing of the power conversion equipment allows complete testing before shipment.

Our rectifier expertise allows us to offer many alternatives:

- Air Cooled
- Multi-pulse systems are available (6 pulse, hexa-phase, 12 pulse, 18 and higher)
- Most common voltages available (250V, 500V, 700V, 1000V, 1200V), specific voltages available upon request
- Current ranges from 2000 to 60,000A (typical - other ranges available upon request)
- Controlled regulated output and non-controlled rectifiers
- SCR and Diode based
- Friendly Local Interfase and dedicated readouts (barmeter, needle type, etc.)
- Retrofits - can design and build to new plants as well as firing control retrofit and replace transformers and or DC power supplies for existing installations
- Ease of use - high-performance trending and other diagnostic functions

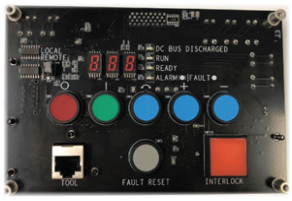
Seamless PLC integration with industrial communication capability including:

- Profibus-DP®
- DeviceNet®
- ControlNet®
- Industrial Ethernet
  - EGD (Global Data)™
  - Modbus TCP™
  - EthernetIP®
  - Profinet®

DigiRectifier™

AMI Automation DigiRectifier™ is a microprocessor-based Controlled Rectifier incorporating TMEIC advanced control technology with a dedicated I/O system. It has been designed to be the controller of medium to large complexity SCR Bridges where the need for advanced control requirements, high speed of response, expanded diagnostic capability and various I/O interfaces are beyond the capability of conventional analog control.

DigiRectifier™ Features



AMI Keypad

- Dedicated drive control buttons for manual operation of the drive
- Indicating status led and display
- Full access to all parameters and variables
- Ethernet Tool Port connectivity

Analog Meters

- Optional Analog Meters can be supplied in addition to either the standard or enhanced display
- Current Converter A & B
- 5 Configurable +/- 10 V 8 bits resolution

AXIO I/O Interface Card

- Provides digital inputs & outputs in conjunction with the Control Board
- Transforms external contacts into digital inputs that are sent to the Control Board
- Provides SPDT relays controlled by the digital outputs coming from the Control Board
- Includes Encoder Input and RTD PT100 circuitry that will interact directly with the Control Board

Mining | Oil & Gas | Pulp & Paper | Steel | Cement