

# BASICBUSMODULE SERIES

BUS COMMUNICATION MODULE  
FOR THYRO-S, THYRO-A, THYRO-AX



The BasicBusModule series are modular, easy-to-use bus module units for cost optimized of up to eight SCR power controllers from Advanced Energy®'s Thyro-S®, Thyro-A®, Thyro-A® eco or Thyro-AX® series.

## PRODUCT HIGHLIGHTS

- Connect up to eight Advanced Energy® SCR power controllers (Thyro-S, Thyro-A, or Thyro-AX) with one BasicBusModule
- BasicBusModule for use of Anybus® interface of different available common fieldbus communications
- BasicBusModule provides access to all connected SCR power controllers for full parameter access with Thyro-Tool Pro software via integrated USB interface
- Available for optional mains load optimization with dASM for up to 32 power controller in TAKT (full wave switch) mode
- Wide communication protocol flexibility for simple integration
- Smallest footprint for optimized design with Advanced Energy power controller series
- Available for plate mounting or DIN rail hat

## TYPICAL APPLICATIONS

- Transformer loads, resistive loads and heating elements in electric furnaces used for glass, metals and ceramics manufacture
- Heat tracing for piping and process elements in chemical, petro-chemical, and oil processing

## AT A GLANCE

### Types

Available with or without optional dASM functionality

### Size [H x W x D]

135 mm (5.32") x 35.5 mm (1.39")  
x 176.1 mm (6.95")

### Power Supply

External 24 VDC / 200 mA per module

### Communications

Ethernet/IP®, EtherCAT®  
PROFIBUS®, PROFINET®  
Modbus RTU®, Modbus TCP/IP®  
DeviceNET™

### LEDs

Indications, Fault, Output

Front LED status indicators,  
Fault LED free configurable via  
Thyro-Tool Pro software

### Digital Output

Digital outputs: free configurable  
as 8 channel general purpose



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## ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than three decades to perfecting power for its global customers. AE designs and manufactures highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

AE's power solutions enable customer innovation in complex semiconductor and industrial thin film plasma manufacturing processes, demanding high and low voltage applications, and temperature-critical thermal processes.

With deep applications know-how and responsive service and support across the globe, AE builds collaborative partnerships to meet rapid technological developments, propel growth for its customers and power the future of technology.

PRECISION | POWER | PERFORMANCE

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