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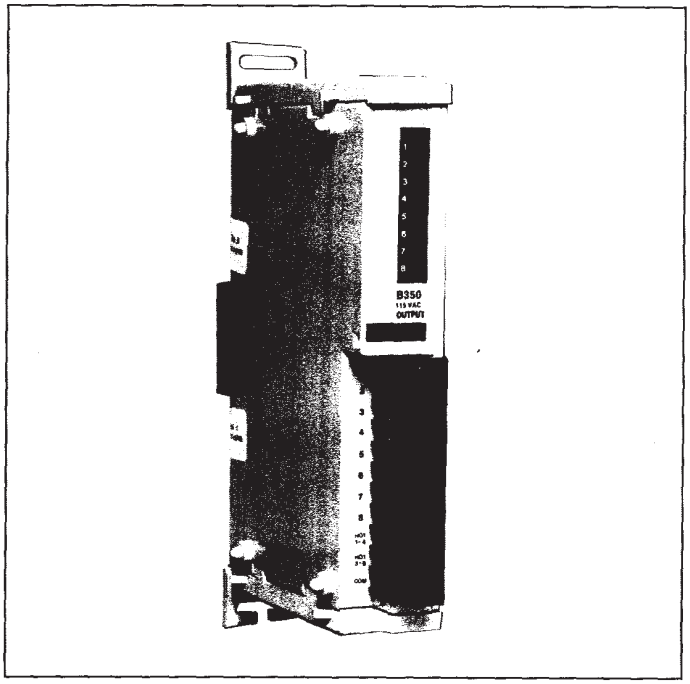
Find the *Schneider Electric / Gould B350* at our website: *Click HERE*

B350-001 / 115 VAC Output Module
DATA SHEET

The B350-001 Output Module consists of eight independent and isolated 115 VAC output circuits.

FEATURES

- Eight independent 115 VAC outputs
- Circuit isolation of 1500 VAC
- Zero-cross switching
- Field side status indicators
- Transient protection
- Surge withstand capability in compliance with IEEE 472-1974 and ANSI C37.90A
- Optional Fanning Strip permits module removal without disturbance to field wiring
- UL listed and CSA certified
- High 2 Amp current per output
- Designed for harsh plant floor environments



GENERAL DESCRIPTION

The Gould B350-001, 115 VAC Output Module converts logic signals used within the *Micro 84™* Programmable Controller into 8 independent 115 VAC outputs. Each output is capable of driving relays, pilot lamps, motor starters, solenoids, or other loads up to 2.0 amperes. The module uses 8 triac switches to control loads connected to an external power source. These switches are designed to withstand the high surge currents typical of industrial loads.

Each output is electrically isolated from the controller by an optical coupler. This enables the module and controller to withstand the severe voltage transients prevalent in an industrial environment. The module employs a zero-cross switching technique. This feature minimizes switching noise, extends the life of the triacs, and improves system reliability. Both IEEE and ANSI standards for surge withstand capability (SWC) tests are fully satisfied.

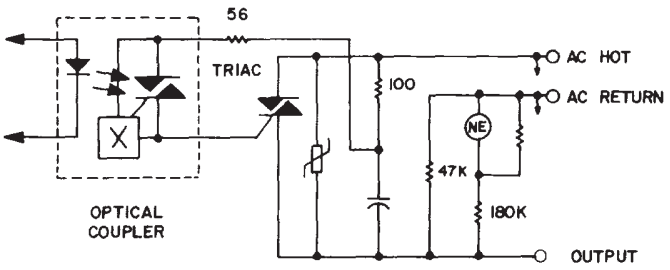
The output circuits are divided into two groups of four outputs each. Each group is driven by a separate voltage source. A neon lamp connected to each circuit's field side displays the ON/OFF status of the output. This lamp indicates the output's true state.

The module is housed in a light weight, durable LEXAN case. A structural "chimney" within the module provides flow-through convection cooling and protection from moisture build-up. Self-contained mounting brackets eliminate the need for special I/O housings. A termination connector shipped with the *Micro 84* mainframe is required when using the module at the extreme right bus location. The module is also compatible with the B351 Input Module without the use of additional components.

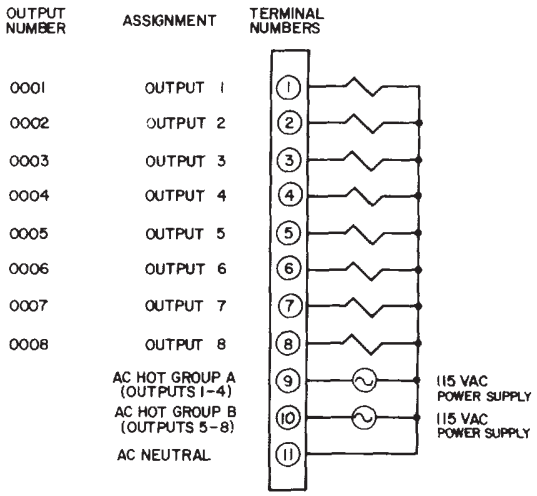
User connections are made to a standard screw terminal strip. This strip is compatible with an optional Fanning Strip (P/N 0212-012) which allows quick module replacement without disturbing field wiring. Data bus connections are made with standard interface connectors. These connectors allow the B350 module to be placed in any location in the I/O structure without interference to other module operation.

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B350 115 VAC Output Module
Simplified Schematic



B350 115 VAC Output Module
Terminal Numbering and Connections

SPECIFICATIONS

Load Ratings

ON Current:	2.0A (max) per output (10.0A max for 8 outputs)
Surge Current:	50A (max) for 1 cycle
Working Voltage:	80 to 130V rms 47 to 63 Hz
Transient Voltage:	200V rms (max) for 1 cycle 150V rms (max) for 10 seconds
ON Voltage Drop:	1.2V at 2A (typical)
OFF Current:	2mA (max)

Circuit Characteristics

Topology:	8 outputs per module 4 outputs per group
Isolation Voltage:	1500 VAC RMS for 60 sec.
Response Time:	ON to OFF, 8.3 msec OFF to ON, 8.3 msec
Surge Withstand Capability:	Per IEEE 472-1974 and ANSI C37.90A (2500V decaying in 6 microsec.)

Physical Characteristics

Environment:	
Temperature	0 to 60°C (ambient)
Humidity	0 to 95% (non-condensing)
Shock	10 G for 11 msec.
Vibration	.625 G, 50-500 Hz
EMI	Per MIL-STD 461B
RFI	Per FCC Class A
Dimensions:	1.62 in. (41.8 mm) X 6.00 in. (152.4 mm) X 11.00 in. (279.4 mm)
Weight:	2.0 lbs. (.91 kg)

CAUTION

During the power-up sequence, AC output modules may cause the false triggering of certain loads for one-half cycle. The loads most susceptible are latching relays, fast-acting solenoids, and latching circuits.

Special circuit designs have been incorporated to minimize this false triggering. However, applications using fast reacting or latching devices that initiate mechanical action may be a hazzard.

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