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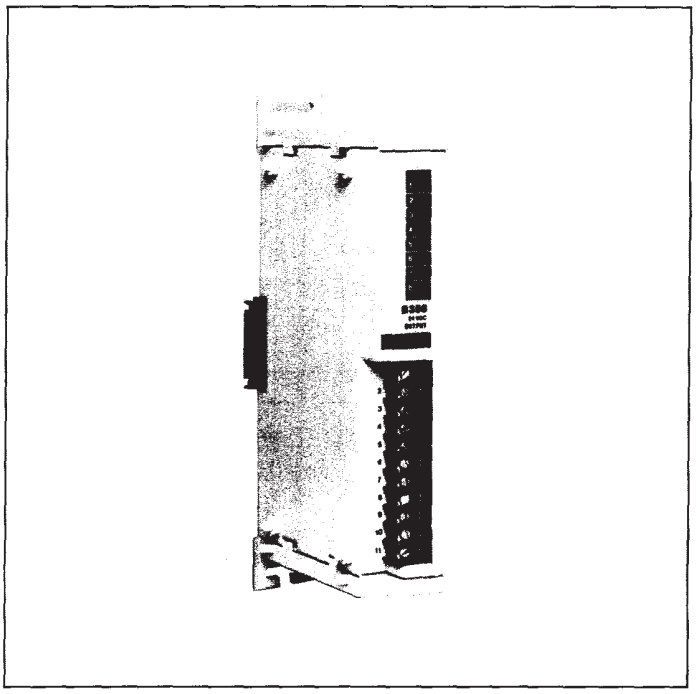
Find the *Schneider Electric / Gould B356* at our website: *Click HERE*

B356-001 / 24 VDC Output Module (True High)
DATA SHEET

The Gould B356-001, 24 VDC Output Module (True High) converts logic signals used within the *Micro 84™* Controller into eight, independent 24 VDC outputs.

FEATURES

- Eight independent 24 VDC outputs
- Circuit isolation of 1500 VAC
- 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 disturbing field wiring
- High 2 Amp current per output
- Designed for harsh plant floor environments



GENERAL DESCRIPTION

The Gould B356-001, 24 VDC Output Module converts logic signals used within the *Micro 84* Programmable Controller into eight independent 24 VDC outputs. Logic format for the module is "true high". Each output is capable of driving relays, pilot lamps, motor starters, solenoids, or other loads up to 2.0 Amperes. The module uses eight transistor 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. 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. An LED indicator connected to each circuit's field side displays the ON/OFF status of the output. The LED indicates the output's true state.

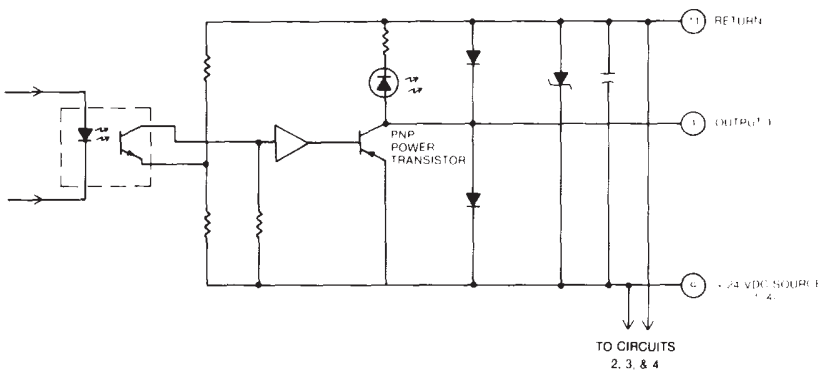
The module is housed in a light weight, durable LEXAN case. A structural "chimney" within the module provides flow-through convection cooling and protection from moisture build-up. Self-contained mounting brackets eliminate the need for special I/O housings. A termination connector is shipped with the *Micro 84* mainframe to be used when the module is attached to the extreme right bus location.

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 B356 Output Module to be placed in any location in the I/O structure without interfering with other module operations.

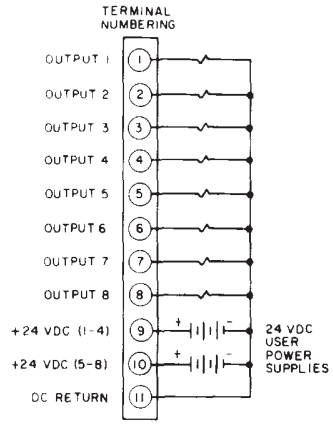
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B356-001 OUTPUT MODULE
SIMPLIFIED SCHEMATIC



B356-001 OUTPUT MODULE TERMINAL
NUMBERING AND CONNECTIONS

SPECIFICATIONS

Electrical Characteristics

ON Current	2.0A (max) continuous per output (10.0 A max per module)
Surge Current	5 A (max) for 10 ms
Working Voltage	18 to 30 VDC
Transient Voltage	50 VDC for 10 ms
ON Voltage Drop	1.2 V at 2 A
OFF Load Current	1 mA (max)

Module Characteristics

Topology	8 outputs per module
Isolation Voltage	1500 VDC for 10 sec.
Response Time	ON to OFF, 1 ms OFF to ON, 1 ms
Visual Indicators	One LED per input ON when input is ON (high)
Surge Withstand Capability	Per IEEE 472-1974 and ANSI C37.90A (2500V decaying in 6 μs)

Environment

Temperature	0 to 60°C (ambient)
Humidity	0 to 95°C (non-condensing)
Shock	10 G for 11 ms
Vibration	0.625 G, 50-500 Hz
EMI	Per MIL-STD 461B
RFI	Per FCC Class A
Dimensions (W x H x D)	1.62 in x 6.00 in x 11.00 in (41.8 mm x 152.4 mm x 279.4 mm)
Weight	2.0 lbs (0.91 kg)

NOTES

The B356-001 Output Module is compatible with the B353-001 Input Module without the use of additional components.

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