2532 16-Point Form-A Relay Output Module

Specifications

Outputs per module: 16

Isolation: 2100 VDC channel-to-backplane
3000 VDC group-to-group

Output voltage: 15 - 240 VAC
15 - 30 VDC

Indicators: 16 individual LEDs

Maximum output current:
4A per point (resistive)
8A per group (resistive)

Switching rate: 5 ops/sec (no load),
0.5 ops/sec (rated load)

Type of contact: Form A

Type of outputs: Individually fused

Minimum contact load: 10mA @ 5 VDC

Contact life:
@ full rated current, 4A = 400,000 cycles
@ 2A = 1,000,000 cycles

Backplane Power: 1.7 Watts

User Power Supply: 24VDC $\pm$10%
300 mA (all outputs ON)

Fuses: field replaceable, channel and unit

16, 5 amp, 250V,	1, 1 amp, 250V,
Littelfuse #215.005	Littelfuse #217.001
Schurter #0001.2511	Schurter #034.1516

Connector: Removable

Wire Gauge: 14 - 22 AWG

Module Size: Single-wide

Operating Temperature: 0° to 60°C
(32° to 140°F)

Storage Temperature: -40° to 85°C
(-40° to 185°F)

Relative Humidity: 5% to 95%
(non-condensing)

Agency Approvals:
UL, UL-Canada

Agency Approvals Pending:
Class 1 - Div.2, CE

Shipping Weight: 1.5 lb. (0.68 Kg)

Description

The 2532 16-Point Form A Relay Output Module provides sixteen Form A outputs isolated in groups of four for the SIMATIC® 505 I/O base. The module utilizes relay output circuits to switch on or off external devices such as pilot lamps, motor starters, or solenoids. The 2532 is designed to switch externally supplied 15 to 240 VAC and 15 to 30 VDC. The internal logic signals are isolated from the external outputs to 2100 VDC.

Features

- SIMATIC® 505 base format
- 16 Form A relay outputs
- Replaces Siemens® 505-4916 with no rewiring
- Isolated 3000 VDC group-to-group
- Isolation in groups of 4
- Wide 15-240 VAC and 15-30 VDC output range
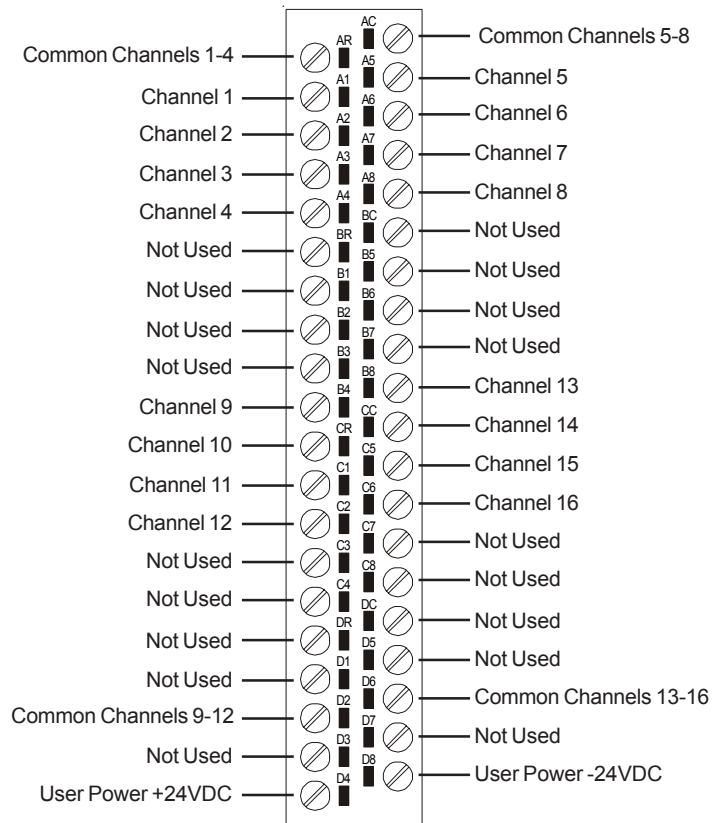- 4.0 Amps per output
- Individually fused outputs
- Single-wide module

Control Technology Inc.
5734 Middlebrook Pike, Knoxville, TN 37921
Phone: 865/584-0440   Fax: 865/584-5720   www.controltechnology.com

Common Channels 1-4 — AR
AC — Common Channels 5-8
Channel 1 — A1
A5 — Channel 5
Channel 2 — A2
A6 — Channel 6
Channel 3 — A3
A7 — Channel 7
Channel 4 — A4
A8 — Channel 8
Not Used — BR
BC — Not Used
Not Used — B1
B5 — Not Used
Not Used — B2
B6 — Not Used
Not Used — B3
B7 — Not Used
Channel 9 — B4
B8 — Channel 13
Channel 10 — CR
CC — Channel 14
Channel 11 — C1
C5 — Channel 15
Channel 12 — C2
C6 — Channel 16
Not Used — C3
C7 — Not Used
Not Used — C4
C8 — Not Used
Not Used — DR
DC — Not Used
Not Used — D1
D5 — Not Used
Common Channels 9-12 — D2
D6 — Common Channels 13-16
Not Used — D3
D7 — Not Used
User Power +24VDC — D4
D8 — User Power -24VDC

2532 4 Outputs Per Common Wiring Connector

C

NO

INTERNAL VOLTAGE

INTERNAL COMMON
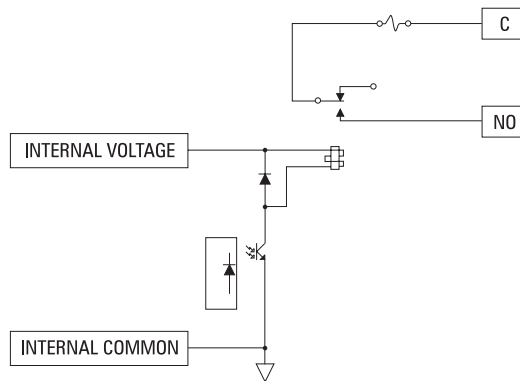
Typical Internal Circuit

> **WARNING:**
> This module must not be inserted into the I/O rack while power is applied.

Note: For CTI Limited Product Warranty and RMA procedures please go to www.controltechnology.com/support.htm.