

General Business Information

How to order CTI products:

CTI products are marketed through a world-wide network of CTI Industrial Distributors. Contact CTI for the name and location of the CTI Industrial Distributor in your area.

Callers within the United States and Canada, use 1-800-537-8398.

International callers, use 865/584-0440.

Telecommunications:

Phone: 865/584-0440 or toll-free 1-800-537-8398

Fax: 865/584-5720

Address:

CONTROL TECHNOLOGY INC.
5734 Middlebrook Pike
Knoxville, TN 37921-5962 USA

Business Hours:

Monday through Thursday,
8:00 A.M. to 5:30 P.M. EST

Friday,

8:00 A.M. to 12:00 P.M. EST (After hours support available by calling normal phone numbers.)

CTI Online:

Email: sales@controltechnology.com

Web HomePage: <http://www.controltechnology.com>

Contains descriptions, User Manuals, Application Notes, and specifications on our products. It also includes FTP connection to download product manuals, list of international and domestic distributors, and some information about CTI and our people.

CTI Internal Contacts:

Robert Peck - Senior Vice President ext 210
Perry Bright - Regional Business Development Manager ext 456
Alan Jenkins - Regional Business Development Manager ext 450
Ron Soderberg - Regional Business Development Manager ext 452
John Ottinger - Applications Engineer ext 401
Fred Wilson - Applications Engineer ext 270
Scott Simpson - Applications Engineer ext 209

To place an order or for literature inquiries:

Missy Johnson - Inside Sales Manager ext 281

For return and repair authorization (RMA):

Missy Johnson - Inside Sales Manager ext 281

Limited Product Warranty

1. Warranty. Control Technology Inc. ("CTI") warrants that this CTI Industrial Product (the "Product") shall be free from defects in material and workmanship for a period of one (1) year from the date of purchase from CTI or from an authorized CTI Industrial Distributor, as the case may be. Repaired or replacement CTI products provided under this warranty are similarly warranted for a period of 6 months from the date of shipment to the customer or the remainder of the original warranty term, whichever is longer. This Product and any repaired or replacement products will be manufactured from new and/or serviceable used parts which are equal to new in the Product. This warranty is limited to the initial purchaser of the Product from CTI or from an authorized CTI Industrial Distributor and may not be transferred or assigned.
2. Remedies. Remedies under this warranty shall be limited, at CTI's option, to the replacement or repair of this Product, or the parts thereof, only after shipment by the customer at the customer's expense to a designated CTI service location along with proof of purchase date and an associated serial number. Repair parts and replacement products furnished under this warranty will be on an exchange basis and all exchanged parts or products become the property of CTI. Should any product or part returned to CTI hereunder be found by CTI to be without defect, CTI will return such product or part to the customer. The foregoing will be the exclusive remedies for any breach of warranty or breach of contract arising therefrom.
3. General. This warranty is only available if (a) the customer provides CTI with written notice of a warranty claim within the warranty period set forth above in Section 1 and (b) CTI's examination of the Product or the parts thereof discloses that any alleged defect has not been caused by a failure to provide a suitable environment as specified in the CTI Standard Environmental Specification and applicable Product specifications, or damage caused by accident, disaster, acts of God, neglect, abuse, misuse, transportation, alterations, attachments, accessories, supplies, non-CTI parts, non-CTI repairs or activities, or to any damage whose proximate cause was utilities or utility-like services, or faulty installation or maintenance done by someone other than CTI.
4. Product Improvement. CTI reserves the right to make changes to the Product in order to improve reliability, function or design in the pursuit of providing the best possible products.
5. Exclusive Warranty. THE WARRANTIES SET FORTH HEREIN ARE CUSTOMER'S EXCLUSIVE WARRANTIES. CTI HEREBY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. WITHOUT LIMITING THE FOREGOING, CTI SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, COURSE OF DEALING AND USAGE OF TRADE.
6. Disclaimer and Limitation of Liability. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, CTI WILL NOT BE LIABLE FOR ANY BUSINESS INTERRUPTION OR LOSS OF PROFIT, REVENUE, MATERIALS, ANTICIPATED SAVINGS, DATA, CONTRACT, GOODWILL OR THE LIKE (WHETHER DIRECT OR INDIRECT IN NATURE) OR FOR ANY OTHER FORM OF INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND. CTI'S MAXIMUM CUMULATIVE LIABILITY RELATIVE TO ALL OTHER CLAIMS AND LIABILITIES, INCLUDING OBLIGATIONS UNDER ANY INDEMNITY, WHETHER OR NOT INSURED, WILL NOT EXCEED THE COST OF THE PRODUCT(S) GIVING RISE TO THE CLAIM OR LIABILITY. CTI DISCLAIMS ALL LIABILITY RELATIVE TO GRATUITOUS INFORMATION OR ASSISTANCE PROVIDED BY, BUT NOT REQUIRED OF CTI HEREUNDER. ANY ACTION AGAINST CTI MUST BE BROUGHT WITHIN EIGHTEEN (18) MONTHS AFTER THE CAUSE OF ACTION ACCRUES. THESE DISCLAIMERS AND LIMITATIONS OF LIABILITY WILL APPLY REGARDLESS OF ANY OTHER CONTRARY

Limited Product Warranty (cont.)

PROVISION HEREOF AND REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE, AND FURTHER WILL EXTEND TO THE BENEFIT OF CTI'S VENDORS, APPOINTED DISTRIBUTORS AND OTHER AUTHORIZED RESELLERS AS THIRD-PARTY BENEFICIARIES. EACH PROVISION HEREOF WHICH PROVIDES FOR A LIMITATION OF LIABILITY, DISCLAIMER OF WARRANTY OR CONDITION OR EXCLUSION OF DAMAGES IS SEVERABLE AND INDEPENDENT OF ANY OTHER PROVISION AND IS TO BE ENFORCED AS SUCH.

7. Adequate Remedy. The customer is limited to the remedies specified herein and shall have no others for a nonconformity in the Product. The customer agrees that these remedies provide the customer with a minimum adequate remedy and are its exclusive remedies, whether based on contract, warranty, tort (including negligence), strict liability, indemnity, or any other legal theory, and whether arising out of warranties, representations, instructions, installations, or non-conformities from any cause. The customer further acknowledges that the purchase price of the Product reflects these warranty terms and remedies.
8. Force Majeure. CTI will not be liable for any loss, damage or delay arising out of its failure (or that of its subcontractors) to perform hereunder due to causes beyond its reasonable control, including without limitation, acts of God, acts or omissions of the customer, acts of civil or military authority, fires, strikes, floods, epidemics, quarantine restrictions, war, riots, acts of terrorism, delays in transportation, or transportation embargoes. In the event of such delay, CTI's performance date(s) will be extended for such length of time as may be reasonably necessary to compensate for the delay.
9. Governing Law. The laws of the State of Tennessee shall govern the validity, interpretation and enforcement of this warranty, without regard to its conflicts of law principles. The application of the United Nations Convention on Contracts for the International Sale of Goods shall be excluded.

REPAIR POLICY

In the event that the Product should fail during or after the warranty period, a Return Material Authorization (RMA) number can be requested verbally or in writing from CTI. Whether this equipment is in or out of warranty, a Purchase Order number will aid in expediting the repair process. The RMA number that is issued and your Purchase Order number should be referenced on the returning equipment's shipping documentation. Additionally, if under warranty, proof of purchase date and serial number must accompany the returned equipment. The current repair and/or exchange rates can be obtained by contacting CTI at 1-800-537-8398.

When returning any module to CTI, follow proper static control precautions. Keep the module away from polyethelene products, polystyrene products and all other static producing materials. Packing the module in its original conductive bag is the preferred way to control static problems during shipment. **Failure to observe static control precautions may void the warranty.** For additional information on static control precautions, contact CTI at 1-800-537-8398.

INTERNATIONAL SHIPMENTS

International shipments are F.O.B. Knoxville, TN.
Air freight carrier is specified at time of order.

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Simatic® and 505® are registered trademarks of Siemens AG and Siemens Energy & Automation. Any references herein to "505" are intended as references to the Siemens or Simatic® 505® product line. While Control Technology, Inc.'s 2500 Series™ products are compatible with the Simatic® 505® series, Siemens® in no way endorses or sponsors CTI or the 2500 Series™. Neither is CTI in any way affiliated with Siemens®.

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Processors

- 2500-C100 CPU with 128K User Memory
- 2500-C200 CPU with 256K User Memory
- 2500-C300 CPU with 512K User Memory
- 2500-C400 CPU with 3072K User Memory

Bases

- 2500-R4 Four-Slot Base
- 2500-R8 Eight-Slot Base
- 2500-R11-A Eleven-Slot Redundant Base
- 2500-R16-A Sixteen-Slot Base

Power Supplies

- 2510 125VDC Power Supply
- 2512 75-Watt AC Power Supply
- 2512-A 75-Watt AC Power Supply with Redundancy Support
- 2513 24VDC Power Supply
- 2515 100-Watt AC Power Supply

Remote Base Controllers & Wiring

- 2500-RBC Profibus Remote Base Controller
- 2500-RIO-A RS-485 Remote Base Controller
- 2500-TAP RS485 Network Tap

Communications

- 2541 Redundant Processor Manager Module
- 2572 Ethernet TCP/IP Adapter
- 2572-A Fast Ethernet TCP/IP Adapter
- 2572-AF Fast Ethernet TCI/IP Adapter with Fiber-Optic Connection
- 2573-MOD Serial Interface Adapter with MODBUS
- 2576 DeviceNet™ Scanner Module
- 2577 Profibus DP Slave Adapter

Digital Inputs

- 2580 16-Point Isolated 95-132 VAC Input Module
- 2581 16-Point Isolated 12-56 VDC Input Module

Digital Inputs (continued)

2582 16-Point Isolated 125VDC Input Module

2585 16-Point TTL/Word Input Module

2588-8 8-Point Universal Input Module

2589-A 8/16/32-Point Universal Input Module

Digital Outputs

2590-A 16-Point Isolated 20-132 VAC Output Module

2590-EF 16-Point Isolated 20-132 VAC Output with Front Accessible Fuses

2591-A 16-Point Isolated 11-146 VDC Output Module

2591-EF 16-Point Isolated 11-146 VDC Output with Front Accessible Fuses

2595 16-Point TTL/Word Output Module

2596-8 8-Point 11-125 VDC Output Module

2596 8/16-Point 11-125 VDC Output Module

2597 8/16/32-Point 11-125 VDC Output Module

2598-8 8-Point 11-240 VAC Output Module

2598 8/16-Point 11-240 VAC Output Module

2599 8/16/32-Point 11-240 VAC Output Module

Relay Outputs

2530 8-Point Form-C Relay Output Module

2531 32-Point Form-A Relay Output Module

2532 16-Point Form-A Relay Output Module

2534 8-Point Form-C Relay Output Module

Analog Inputs

2501 8In/4Out Analog Module

2550-A 8-Channel Isolated Analog Input Module

2555-A 16-Channel Analog Input Module

2558 8-Channel Analog Input Module

Analog Outputs

2501 8In/4Out Analog Module

2560-A 8-Channel Isolated Analog Output Module

2562 8-Channel Analog Output Module

Temperature Inputs

2551-A 8-Channel Isolated Thermocouple Input Module

2552-A 8-Channel Isolated RTD Input Module

2556 16-Channel Isolated Thermocouple Input Module

2557 16-Channel RTD Input Module

2559-RTD 8-Channel RTD Input Module

2559-TC 8-Channel Thermocouple Input Module

High Speed Counters

2502 High Speed Counter Encoder Module

2553-A 2-Channel Mag Meter Input Module

2554-A 4-Channel Isolated High Speed Counter Module

Vibration Monitoring

2505 Vibration Sensor Interface Module

Software

2572-DDS2 Ethernet DDE Server

2572-OPC Ethernet OPC Server

3102 APTnet

3110 3M Processor Object for 2500-C500 and APT

Ethernet Switch

3570A-5C Ethernet Switch, five RJ45 ports

3570A-1F Ethernet Switch, four RJ45 ports, one fiber port

3570A-2F Ethernet Switch, three RJ45 ports, 2 fiber ports

3570A-3F Ethernet Switch, two RJ45 ports, 3 fiber ports

Series 500 Adapters

2500-IADP I/O Adapter for Series 500

2500-PADP Power Supply Adapter for Series 500

2500-RADP RBC Adapter for Series 500

2500-ADP1 Analog Wiring Adapter for Series 500

I/O Connectors

2500-40F 40-Position Standard Screw-Terminal Connector

2559-FPC 36-Position Screw-Terminal Connector (with cold-junction compensation for 2559-TC)

CTI Replacement Model Numbers for Siemens® Products

Siemens® Model #	CTI Replacement Model #	Siemens® Model #	CTI Replacement Model #
505-CP2572	2572 or 2572-A	505-4716	2596 / 2597
505-2555	2555-A	505-4732	2597
505-2556	2556	505-4808	2598 / 2598-8 / 2599
505-2557	2557	505-4816	2598 / 2599
505-2571	2573-MOD	505-4832	2599
505-2580	2580	505-4908	2534
505-2590-A	2590-A	505-4916-A	2532
505-4008-A	2588-8 / 2589-A	505-4932-A	2531
505-4016-A	2589-A	505-6108-A	2558
505-4032-A	2589-A	505-6108-B	2558
505-4208-A	2588-8 / 2589-A	505-6208-A	2562
505-4216-A	2589-A	505-6208-B	2562
505-4232-A	2589-A	505-6504	2500-R4
505-4308	2588-8 / 2589-A	505-6508	2500-R8
505-4316	2589-A	505-6516	2500-R16-A
505-4316-A	2589-A	505-6660	2512 / 2515
505-4332	2589-A	505-6660-A	2512 / 2515
505-4408-A	2588-8 / 2589-A	505-6660-B	2512 / 2515
505-4416-A	2589-A	505-6663	2513
505-4432-A	2589-A	505-6851-A	2500-RIO-A
505-4508	2596 / 2596-8 / 2597	505-6851-B	2500-RIO-A
505-4516	2596 / 2597	505-6870	2500-RBC
505-4532	2597	505-7002	2502
505-4608	2598 / 2598-8 / 2599	505-7003	
505-4616	2598 / 2599	505-7012	2501
505-4632	2599	505-7016	2501
505-4708	2596, 2596-8, 2597	505-7028	2559-TC

CTI Replacement Model Numbers for Siemens® Products

Siemens® Model #	CTI Replacement Model #	Siemens® Model #	CTI Replacement Model #
505-7038	2559-RTD		
545-1101	2500-C200		
545-1102	2500-C200		
545-1103*	2500-C100		
545-1104	2500-C200		
545-1105*	2500-C100		
545-1106	2500-C200		
555-1101	2500-C300		
555-1102	2500-C400		
555-1103	2500-C300		
555-1104	2500-C400		
555-1105	2500-C300		
555-1106	2500-C400		
*if a Profibus-DP annex card is installed, 2500-C200 must be used			

CTI Replacement Model Numbers for Siemens® Products

Note: These replacements for Series 500 I/O Modules require the use of 2500-IADP Adapters

Adapters			
Siemens® Model #	CTI Replacement Model #	Siemens® Model #	CTI Replacement Model #
500-5001	2588-8, 2589-A	500-5056	2599
500-5002	2588-8, 2589-A	500-5061	2534, 2530
500-5005	2588-8, 2589-A	500-5062	2534, 2530
500-5006	2588-8, 2589-A	500-5187	2589-A
500-5007	2585	500-5192	2589-A
500-5008	2588-8, 2589-A	500-5194	2585
500-5009	2558, 2550-A	We offer very similar fully compatible solutions for Series 500 CPU's like 520, 525, 530, 535, 560, 575. If you need replacements for these products, please refer to our Replacement Guide at http://www.controltechnology.com or contact us.	
500-5010	2598-8, 2599		
500-5011	2598-8, 2599		
500-5012	2598-8, 2599		
500-5013	2596-8, 2597		
500-5016	2562, 2560-A		
500-5018	2585		
500-5019	2595		
500-5030	2589-A		
500-5031	2597		
500-5032	2580		
500-5033	2590-A		
500-5037A	2558, 2550-A		
500-5047A	2562, 2560-A		
500-5048	2581		
500-5049	2591-A		
500-5051	2559-TC		
500-5052	2557		
500-5055	2589-A		



2500-C100 CPU with 128K User Memory

The 2500-C100 CPU provides discrete, analog, loop, advanced mathematical and high-speed sequential control capability for your CTI 2500 Series™ or Simatic® 505® control system.

Features:

- ◆ Replaces Siemens® 545-1103, 1105
- ◆ 128K user memory
- ◆ 1024 digital / 1024 analog I/O
- ◆ 16 loops / 32 alarms
- ◆ Built-in Ethernet for MMI and programming
- ◆ Built-in USB for programming
- ◆ Built-in SD flash card slot for program backup and documentation (future feature)



2500-C200 CPU with 256K User Memory

The 2500-C200 CPU provides discrete, analog, loop, advanced mathematical, and high-speed sequential control capability for your CTI 2500 Series™ or Simatic® 505® control system.

Features:

- ◆ Replaces Siemens® 545-1101, 1102, 1104, 1106
- ◆ 256K user memory
- ◆ 2048 digital / 1024 analog I/O
- ◆ 64 loops / 128 alarms
- ◆ Built-in Ethernet for MMI and programming
- ◆ Built-in USB for programming
- ◆ Profibus-DP master and RS485 Remote I/O ports
- ◆ Built-in SD flash card slot for program backup and documentation (future feature)



2500-C300 CPU with 512K User Memory

The 2500-C300 CPU provides discrete, analog, loop, advanced mathematical, and high-speed sequential control capability for your CTI 2500 Series™ or Simatic® 505® control system.

Features:

- ◆ Replaces Siemens® 555-1101, 1103, 1105
- ◆ 512K user memory
- ◆ 8192 digital / 8192 analog I/O
- ◆ 512 loops / 512 alarms
- ◆ Built-in Ethernet for MMI and programming
- ◆ Built-in USB for programming
- ◆ Profibus-DP master and RS485 Remote I/O ports
- ◆ Built-in SD flash card slot for program backup and documentation (future feature)

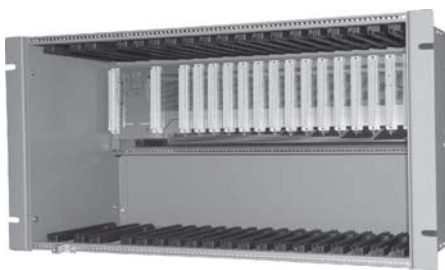


2500-C400 CPU with 3072K User Memory

The 2500-C400 CPU provides discrete, analog, loop, advanced mathematical, and high-speed sequential control capability for your CTI 2500 Series™ or Simatic® 505® control system.

Features:

- ◆ Replaces Siemens® 555-1102, 1104, 1106
- ◆ 3072K user memory
- ◆ 8192 digital / 8192 analog I/O
- ◆ 512 loops / 512 alarms
- ◆ Built-in Ethernet for MMI and programming
- ◆ Built-in USB for programming
- ◆ Profibus-DP master and RS485 Remote I/O ports
- ◆ Built-in SD flash card slot for program backup and documentation (future feature)



2500-R4 / R8 / R11-A / R16-A I/O Bases for 2500 Series™ System

The 2500-R4 / R8 / R16-A provides four, eight or sixteen slots for industrial I/O for your CTI 2500 Series™ or Simatic® 505® system. The bases provide space for a power

supply, Processor or Remote Base Controller (RBC), and slots for up to 16 I/O modules. The 2500-R11-A allows for two power supplies and two RBCs in a redundant configuration.

Features:

- ♦ 2500-R4 replaces Siemens® 505-6504
- ♦ 2500-R8 replaces Siemens® 505-6506
- ♦ 2500-R11-A replaces Siemens® 505-6511
- ♦ 2500-R16-A replaces Siemens® 505-6516



2500-ADP1

The 2500-ADP1 is a wiring adapter which converts analog field wiring from Series 500 base format to the 40-pin connector used on CTI 2500 Series™ analog I/O modules. This allows rapid upgrade of existing Series 500 systems to newer and more supportable 2500 Series™.

Features:

The 2500-ADP1 cable converts the following Field wiring:

- ♦ 500-5037A 8ch Analog In connector to a CTI 2558 8ch Analog In 2500-40F connector.
- ♦ 500-5047A 8ch Analog Out connector to a CTI 2562 8ch Analog Out 2500-40F connector



2500-IADP I/O Adapter for Series 500

The 2500-IADP is an I/O Adapter which allows the use of CTI 2500 Series™ I/O modules in Texas Instruments Series 500 I/O bases. It provides a transparent path for upgrading old Series 500 systems without the requirement to completely replace the system.

Features:

- ◆ Provides mechanical and electrical adaptation of CTI 2500 Series™ I/O modules to operate in a Series 500 base
- ◆ Compatible with all CTI 2500 Series™ discrete and analog I/O modules
- ◆ Allows replacement of failed Series 500 I/O modules with inexpensive and widely available CTI 2500 Series™ modules



2500-PADP Power Supply Adapter for Series 500

The 2500-PADP is a Power Supply Adapter which allows the use of CTI 2500 Series™ Power Supplies in Texas Instruments Series 500 I/O bases. It provides a transparent path for upgrading old Series 500 systems without the requirement to completely replace the system.

Features:

- ◆ Provides mechanical and electrical adaptation of CTI 2500 Series™ power supplies to operate in a Series 500 base
- ◆ Compatible with all CTI 2500 Series™ power supplies
- ◆ Allows replacement of failed Series 500 power supplies with inexpensive and widely available CTI 2500 Series™ modules



2500-RADP RBC Adapter for Series 500

The 2500-RADP is an RBC Adapter which allows the use of CTI 2500 Series™ Remote Base Controllers in Texas Instruments Series 500 I/O bases. It provides a transparent path for upgrading old Series 500 systems without the requirement to completely replace the system.

Features:

- ◆ Provides mechanical and electrical adaptation of CTI 2500 Series™ RBCs to operate in a Series 500 base
- ◆ Compatible with all CTI 2500 Series™ RBCs
- ◆ Allows replacement of failed Series 500 RBCs with inexpensive and widely available CTI 2500 Series RBCs



2500-RBC Profibus Remote Base Controller

The 2500-RBC Profibus Remote Base Controller (RBC), allows a CTI 2500 Series™ or Simatic® 505® I/O base to function as a slave node on a PROFIBUS-DP I/O channel.

Features:

- ◆ Replaces Siemens® 505-6870; compatible with Siemens® S5 and S7, as well as Siemens® 505, masters
- ◆ Can be used in all currently available CTI and Siemens® 4, 8, and 16 slot bases
- ◆ Supports communication speeds from 9.6 Kbaud (maximum cable distance per segment: 1200 m) up to 12 Mbaud (maximum cable distance per segment: 100 m)



2500-RFC

The 2500-RFC is a specially constructed cable used to connect the Simatic® 505-6860 RS-485/RF I/O Channel Converter to CTI 2500 Series™ Processors. The cable

uses special shielding and terminations to provide the best possible communications performance with RF networks.

Features:

- ◆ Short 16" length to attach to adjacent RF converter
- ◆ Shielded cable for maximum noise immunity
- ◆ RS485 terminations on both ends for maximum communications performance



2500-RIO-A RS-485 Remote Base Controller

The 2500-RIO-A RS485 Remote Base Controller allows control of a remotely-located CTI 2500 Series™ or Simatic® 505® I/O base over a twisted-pair RS485 cable up to 1000m from the CPU.

Features:

- ◆ Replaces Siemens® 505-6851-A and 505-6851-B with no rewiring
- ◆ Can be used in all currently available CTI and Siemens® 4, 8, 11 and 16-slot bases
- ◆ Up to 15 remote bases can be attached to a CPU
- ◆ Maximum cable distance between CPU and remote base is 1000m



2500-SSB

The 2500-SSB is used to cover unused slots in the I/O base keep out debris and maintain proper airflow.



2500-TAP

The 2500-TAP Remote I/O Network Tap is specially design for attaching trunkline and dropline sections to create 2500 Series™ remote I/O networks. These taps use an impedance-controlled design for highest noise immunity and include built-in termination resistance which can be easily switched in- or out- of the

circuit using a toggle switch. They also include an electrical noise bleed path to chassis ground which can improve the noise immunity of your network.

Features:

- ◆ Dust and water resistant installation
- ◆ Impedance controlled design
- ◆ Built-in terminating resistance
- ◆ Electrical noise bleed system for improved noise immunity



2500-40F Wiring Connector

The 2500-40F is a 40-position standard screw-terminal connector for terminating field I/O wiring at the 2500 Series™ programmable controller.

Features:

- ◆ Replaces Siemens® 2587705-8011
- ◆ Front access to screws and wires
- ◆ 14-22AWG
- ◆ 15A, 300V rating

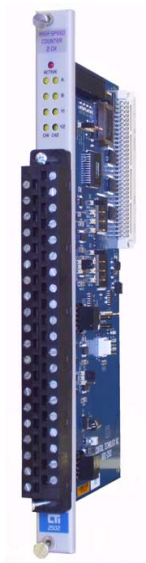


2501 8in/4out Analog Module

The 2501 module provides eight channels of analog input and four channels of analog output in a compact, single-wide module to fit in the CTI 2500 Series™ or Simatic® 505® I/O base.

Features:

- ◆ Replaces Siemens® 505-7012 and 505-7016 with no rewiring
- ◆ Fast 6mSec update time for all channels
- ◆ Selectable input/output or input-only operating modes
- ◆ Bipolar or unipolar inputs per channel
- ◆ Inputs: 1500V channel-to-PLC isolation
- ◆ Outputs:
 - 1500V channel-to-channel isolation
 - Voltage and current outputs available simultaneously
 - Bipolar or unipolar outputs per channel



2502 High Speed Counter Module

The 2502 is a high-speed counter module designed to count incoming pulses from external sensors and provide process control outputs based on count status.

Features:

- ◆ Replaces Siemens® 505-7002 with no rewiring
- ◆ Two independent high-speed counter channels
 - pulse counter mode
 - 1X, 2X, 4X quadrature counter modes
 - 10 KHz count rate with minimum pulse width of 25us
 - two count inputs
 - reset input, inhibit input
 - two outputs
 - LED indicators



2505 Vibration Sensor Interface Module

The 2505 Vibration Sensor Interface Module provides four vibration inputs to the CTI 2500 Series™ or Simatic® 505® I/O base. The module is configurable to interface to accelerometers, velocity probes, or proximity probes plus a tachometer input. The module calculates the RMS value of the overall vibration on each channel and passes this value to the controller via the I/O backplane.

Features:

- ◆ Four channels to interface to any vibration sensor plus a tach input
- ◆ Buffered BNC outputs for external analysis equipment
- ◆ Overall RMS and true peak vibration levels computed with high speed ADC
- ◆ Alert and Danger alarm levels with PLC-specified setpoints, time delays, and Trip Multipliers



2510 125 VDC/110 VAC Power Supply

The 2510 is a 125 VDC power supply for CTI 2500 Series™ or Simatic® 505® PLCs. Systems that operate from 125 VDC batteries can use the 2510 to provide power to the PLC. Note that the 2510 is available by special order only. A minimum quantity purchase is required.

Features:

- ◆ 125 VDC/110 VAC input power
- ◆ 55 Watts
- ◆ Diagnostic reporting to PLC



2512 / 2512-A 75-Watt AC Power Supply

The 2512 and 2512-A are 120/240VAC Power Supplies designed for CTI 2500 Series™ or Simatic® 505® PLCs. They provide up to 75 watts of power for use by the PLC CPU and I/O modules. The 2512-A model works in a redundant configuration in 2500-R11-A bases.

Features:

- ◆ Replaces Siemens® 505-6660, 505-6660-A, and 505-6660-B
- ◆ 90-264VAC, 47-63 Hz single phase input power
- ◆ Up to 75 watts @ +5VDC to PLC CPU and I/O modules
- ◆ 2512-A Provides power redundancy when used in a dual configuration with 2500-R11-A



2513 24VDC Power Supply

The 2513 is a 24VDC Power Supply designed for CTI 2500 Series™ or Simatic® 505® PLCs. It provides up to 75 watts of power for use by the PLC CPU and I/O modules.

Features:

- ◆ Replaces Siemens® 505-6663
- ◆ 20-30 VDC input power
- ◆ Up to 75 watts @ +5VDC to PLC CPU and I/O modules



2515 100-Watt Power Supply

The 2515 is a 120 VAC AC power supply for CTI 2500 Series™ or Simatic® 505® PLCs. The 2515 provides up to 100 watts of power for use by the PLC CPU and I/O modules.

Features:

- ◆ Replaces Siemens® 505-6660, 505-6660-A, and 505-6660-B
- ◆ 90-264 VAC, 47-63 Hz single phase input power
- ◆ 100 Watts @ +5 VDC to PLC CPU and modules



2530 8-Point Form-C Relay Output Module

The 2530 module provides eight isolated Form-C relay outputs for the CTI 2500 Series™ or Simatic® 505® I/O base. The 2530 is designed for high current applications such as switching motor starters. It is also designed for 125 VDC (nominal) low level current applications and is especially suited for applications in power utility substations.

Features:

- ◆ 8 Form-C relay outputs
- ◆ 1500V channel-to-backplane isolation
- ◆ 6.0 Amps per output
- ◆ Individually fused outputs



2531 32-Point Form-A Relay Output Module

The 2531 module provides 32 Form-A relay outputs for CTI 2500 Series™ or Simatic® 505® I/O base. The module uses relay output circuits to switch on or off external devices such as pilot lamps, motor starters, or solenoids. The 2531 is designed to switch externally supplied 15 to 240 VAC and 15 to 30 VDC.

Features:

- ◆ Replaces Siemens® 505-4932-A with no rewiring
- ◆ 32 Form-A relay outputs
- ◆ Isolated 1500V group-to-group
- ◆ Isolated 1500V channel-backplane
- ◆ Isolation in groups of 8
- ◆ Individually fused outputs
- ◆ 4.0 Amps per output



2532 16-Point Form-A Relay Output Module

The 2532 module provides 16 Form-A relay outputs isolated in groups of four for the CTI 2500 Series™ or Simatic® 505® I/O base. The module uses 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.

Features:

- ◆ Replaces Siemens® 505-4916-A with no rewiring
- ◆ 16 Form-A relay outputs
- ◆ Isolated 1500V group-to-group
- ◆ Isolated 1500V channel-backplane
- ◆ Individually fused outputs
- ◆ 4.0 Amps per output



2534 8-Point Form-C Relay Output Module

The 2534 module provides 8 isolated Form-C relay outputs for the CTI 2500 Series™ or Simatic® 505® I/O base. The 2534 is designed for high current applications such as switching motor starters. It is also designed for 125 VDC (nominal) low level current applications and is especially suited for applications in power utility substations.

Features:

- ◆ Replaces Siemens® 505-4908 with no rewiring
- ◆ 8 Form-C relay outputs
- ◆ Isolated 1500V channel-to-backplane
- ◆ Wide 15-240 VAC, 15-150 VDC output range
- ◆ Individually fused outputs
- ◆ 4.0 Amps per output



2541 Redundant Processor Manager Module

The 2541 Redundant Processor Manager (RPM) provides an automatic backup solution for CTI 2500 Series™ or Simatic® 505® PLCs. If the active PLC fails, the RPM will automatically switch the remote I/O to the standby PLC. Transfer to the standby PLC is bumpless. All remote I/O updates are mirrored to the standby PLC. In addition, up to 4096 words of user-defined critical data can be transferred from the active PLC to the standby PLC every scan. Other non-critical data can be transferred over several scans. The RPM can also switch up to two serially attached operator interface devices.



2550-A 8-Channel Isolated Analog Input Module

The 2550-A is a high-speed 8-channel isolated analog input module compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2550-A translates analog input signals into an equivalent digital word.

Features:

- ◆ Fast 4 mSec update time for all 8 channels
- ◆ External isolators not required
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ No external power supply required for module
- ◆ No external current resistor required
- ◆ On-board calculations for 4-20 mA offset inputs



2551-A 8-Channel Isolated Thermocouple Input Module

The 2551-A is a high-speed 8-channel isolated thermocouple input module compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2551-A translates thermocouple input signals into scaled temperature values and millivolt input signals into equivalent digital words.

Features:

- ♦ Fast 2 mSec update time per channel
- ♦ Each input configurable for Type J, Type K, or millivolts
- ♦ 1500V channel-to-channel isolation
- ♦ 1500V channel-to-backplane isolation
- ♦ Digital filtering circuit for increased noise immunity



2552-A 8-Channel Isolated RTD Input Module

The 2552-A is a high-speed 8-channel isolated RTD input module compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2552-A translates RTD input signals into scaled temperature values and millivolt input signals into equivalent digital words.

Features:

- ♦ Fast 2 mSec update time per channel
- ♦ Supports 100Ω platinum and 120Ω nickel RTDs
- ♦ 1500V channel-to-channel isolation
- ♦ 1500V channel-to-backplane isolation
- ♦ User selectable digital filtering



2553-A 2-Channel Mag Meter Input Module

The 2553-A is designed for precise measurement of mag meter or turbine meter pulses both at low speeds and high speeds (Reflex Counter Mode). The 2553-A can also be used to compensate for measurement errors due to wheel wobble (N-tooth counting mode).

Features:

- ◆ Reflex counter
- ◆ N-tooth mode counting
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Reports measurement in frequency or period



2554-A 4-Channel Isolated High Speed Counter Module

The 2554-A is an isolated 4-channel high-speed counter input module. Each channel can operate in one of three selectable modes: frequency, period, or general counter. In addition, two channels may be configured together for quadrature mode operation.

Features:

- ◆ Single-wide 4-channel high-speed counter
- ◆ Operates in frequency, period, or counter mode
- ◆ External gate and reset inputs on each channel
- ◆ External 1.5A sourcing output per channel
- ◆ Auto-reset option for rapid or random asynchronous events

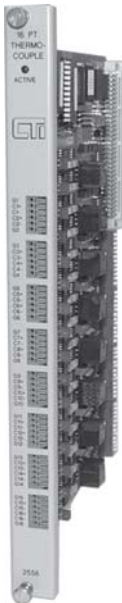


2555-A 16-Channel Analog Input Module

The 2555-A is a high-speed 16-channel differential analog input module compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2555-A translates analog input signals into an equivalent digital word.

Features:

- ♦ Replaces Siemens® 505-2555
- ♦ Fast 6 mSec update time per channel
- ♦ No external power supply required for module
- ♦ 1500V channel-to-PLC backplane isolation
- ♦ 140Vrms channel-to-channel isolation
- ♦ Accepts voltage or current input signals

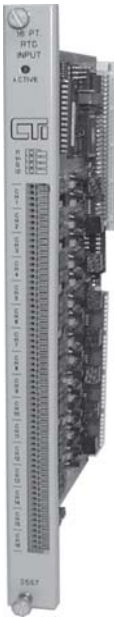


2556 16-Channel Isolated Thermocouple Input Module

The 2556 is a high-speed 16-channel isolated thermocouple input module compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2556 translates millivolt level signals from the thermocouple element into a scaled temperature value. Multiple thermocouple types are supported as well as millivolt inputs.

Features:

- ♦ Replaces Siemens® 505-2556
- ♦ 16 bit ADC for each channel
- ♦ Supports J, K, R, S, T, E, and L thermocouples and millivolt inputs
- ♦ Advanced preprocessing with on-board scaling, alarm detection, filtering and averaging
- ♦ Fast 20 mSec update time, open thermocouple detection



2557 16-Channel RTD Input Module

The 2557 is a high-speed 16-channel isolated RTD input module compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2557 translates millivolt level signals from the RTD element into a scaled temperature value.

Features:

- ◆ Replaces Siemens® 505-2557
- ◆ 16 bit ADC for each channel
- ◆ Supports 10Ω Cu, 100Ω Pt, and 120Ω Ni RTDs and millivolt inputs
- ◆ Advanced preprocessing with on-board scaling, alarm detection, filtering and averaging
- ◆ Fast 20 mSec update time, open RTD detection and lead resistance compensation
- ◆ Support for 2, 3, or 4 wire RTD elements



2558 8-Channel Analog Input Module

The 2558 is an 8-channel analog input module compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2558 translates analog input signals into equivalent digital words. It is fully compatible with all versions of the Siemens® 545 and 555 PLCs.

Features:

- ◆ Replaces Siemens® 505-6108-A and 505-6108-B with no rewiring
- ◆ 8 analog input channels
- ◆ 140Vrms isolation between channels
- ◆ 1500V channel-to-PLC backplane isolation
- ◆ Supports 16-bit and 13-bit resolution
- ◆ Fast 5 mSec update time for all 8 channels
- ◆ On-board calculations for 4-20 mA offset inputs



2559-FPC Wiring Connector

The 2559-FPC is a 36-position screw-terminal connector with built-in cold junction compensation for the 2559-TC Thermocouple Input Module.

FPC Features:

- ◆ Front access to screws and wires
- ◆ 14-22 AWG



2559-RTD 8-Channel RTD Input Module

The 2559-RTD is a high speed 8-channel RTD input module which translates RTD input signals into scaled temperature values in a CTI 2500 Series™ or Simatic® 505® I/O base.

Features:

- ◆ Replaces Siemens® 505-7038 with no rewiring
- ◆ 1500V channel-to-PLC backplane isolation
- ◆ Supports 7 RTD probe types in Pt, Cu and Ni.
- ◆ Configurable for 8 resistive values for RTD probe types
- ◆ Supports 2-, 3-, and 4-wire probes
- ◆ Data formats in °F, °C and scaled integer
- ◆ Error reporting and digital filtering



2559-TC 8-Channel Thermocouple Input Module

The 2559-TC is a high-speed, 8-point thermocouple input module which translates millivolt level signals from the thermocouple element into a scaled temperature value in a CTI 2500 Series™ or Simatic® 505® I/O base. Thermocouple types J, K, T, E, R, S, N, and millivolts are supported.

Features:

- ◆ Replaces Siemens® 505-7028 (requires special I/O connector)
- ◆ 1500V channel-to-PLC backplane isolation
- ◆ Fast 9 mSec update time for all channels
- ◆ No CJC calibration necessary
- ◆ Microprocessor self-diagnostics
- ◆ Requires 2559-FPC connector



2560-A 8-Channel Isolated Analog Output Module

The 2560-A is a high-speed 8-channel isolated analog output module compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2560-A translates a digital word from the controller into equivalent analog outputs.

Features:

- ◆ Voltage and current outputs available simultaneously
- ◆ Fast 0.25 mSec update time per channel
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Unipolar or bipolar applications supported



2562 8-Channel Analog Output Module

The 2562 is a low-cost, high-speed, 8-channel analog output module compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2562 translates digital words from the controller into equivalent analog outputs.

Features:

- ◆ Replaces Siemens® 505-6208-A and 505-6208-B with no rewiring
- ◆ 8 analog output channels
- ◆ 1500V channel-to-PLC backplane isolation
- ◆ Fast 4 mSec update time for all channels
- ◆ Voltage and current outputs available simultaneously
- ◆ Bipolar or unipolar outputs per channel



2572 Ethernet TCP/IP Adapter

The 2572 Ethernet TCP/IP Adapter is a network interface module for CTI 2500 Series™ or Simatic® 505® controllers. The 2572 provides connectivity to networks using IEEE 802.3, Ethernet II and Transmission Control/Internet Protocol (TCP/IP) standards.

Features:

- ◆ Replaces Siemens® 505-CP2572
- ◆ Directly attaches 10BaseT network
- ◆ Attachment User Interface port
- ◆ Two serial program ports
- ◆ TCP/IP support includes UDP and TCP
- ◆ Remote programming over ethernet
- ◆ MMI/HMI connectivity
- ◆ DDE and OPC support available



2572-A Fast Ethernet TCP/IP Adapter

The 2572-A Ethernet TCP/IP Adapter is the next generation Ethernet interface module for CTI 2500 Series™ or Simatic® 505® controllers. The 2572-A provides connectivity to networks using IEEE 802.3, Ethernet II and Transmission Control/Internet Protocol standards, at 10M or 100M speeds.

Features:

- ◆ Compatible with Siemens® 505-CP2572 and CTI 2572
- ◆ Auto-sensing for 10/100Mbps networks
- ◆ TCP/IP support includes UDP and TCP
- ◆ Remote programming over Ethernet
- ◆ MMI/HMI connectivity
- ◆ DDE and OPC support available
- ◆ DHCP configuration option



2572-AF Fast Ethernet TCP/IP Adapter with Fiber-Optic Connection

The 2572-AF Fast Ethernet TCP/IP Adapter replaces the RJ45 connection on the 2572-A with an MTRJ 100 Mbit direct fiber interface. The 2572-AF provides connectivity to networks using IEEE 802.3, Ethernet II and Transmission Control/Internet Protocol standards, at 100M speeds.

Features:

- ◆ Compatible with Siemens® 505-CP2572, CTI 2572, and CTI 2572-A modules
- ◆ Direct MTRJ Fiber Interface
- ◆ TCP/IP support includes UDP and TCP
- ◆ Remote programming over Ethernet
- ◆ MMI/HMI connectivity
- ◆ DDE and OPC support available

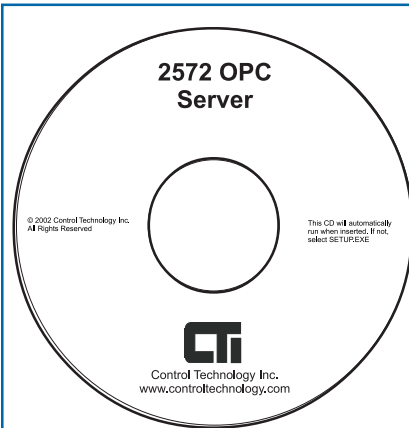


2572-DDS2 Ethernet DDE Server

The 2572-DDS2 DDE Server provides data exchange between DDE client applications and CTI 2500 Series™ or Simatic® 505® PLCs using the CTI 2572 or 2572-A Ethernet module.

Features:

- ◆ Communicates with multiple 2572 or 2572-A modules
- ◆ Supports multiple topics per module
- ◆ Communicates with multiple network workstations via Wonderware's NetDDE
- ◆ Supports high-speed "Fast DDE" when used with Wonderware InTouch
- ◆ Interfaces with multiple DDE clients and coexists with other DDE servers



2572-OPC Ethernet OPC Server

The 2572-OPC Ethernet OPC Server provides data exchange between OPC clients and CTI 2500 Series™ or Simatic® 505® PLCs using the CTI 2572 or 2572-A Ethernet module. The server automatically optimizes data acquisitions based on client demand and includes extensive error handling to ensure data integrity.

Features

- ◆ Supports OPC 1.0 and 2.0 Data Access Specifications
- ◆ Supports up to 16 concurrent serial port and PC card configurations
- ◆ Full Time On-line operation allows on the fly changes
- ◆ Build Diagnostic Interface system with protocol display
- ◆ CSV file import and export of Server Tags for easy configuration on large projects
- ◆ Includes OPC 2.0 Automation Interface and comprehensive Visual Basic examples



2573-MOD Serial Interface Adapter with MODBUS

The 2573-MOD is a microprocessor-based communications adapter for CTI 2500 Series™ or Simatic® 505® controllers. The 2573-MOD provides support for communicating with plant floor devices such as modems, bar code readers, scales, displays, printers, and other PLCs.

Features:

- ◆ Provides 4 serial ports, each providing RS-422, RS-485, and RS-232 electrical interfaces. All ports operate concurrently and independently.
- ◆ Enables the PLC to act as a master or slave for devices which use Modbus RTU or ASCII protocols
- ◆ Task Code Master support allows the local PLC to access memory in other SIMATIC® 505® or 500 series PLCs



2576 DeviceNet™ Scanner Module

The 2576 interfaces a CTI 2500 Series™ or Simatic® 505® system to a DeviceNet™ network. The module provides one DeviceNet™ channel which can attach up to 63 network devices. Multiple modules can reside in the same I/O chassis.

Features:

- ◆ DeviceNet™ points appear as a standard PLC I/O
- ◆ RS-232 serial port enables configuration of module and network devices
- ◆ Front panel LEDs allow monitoring of module and network devices
- ◆ Built-in power tap can be used to power DeviceNet™ network



2577 Profibus DP Slave Adapter

The 2577 provides the ability to read any PLC V, WX, X, and C memory location over Profibus.

Features:

- ◆ No changes required to existing PLC configuration and I/O
- ◆ Allows transfer of up to 110 words of data in and 110 words of data out to Profibus Master
- ◆ Maintains statistics and diagnostic information for the Profibus network
- ◆ Auto-senses Profibus baud rate



2580 16-Point Isolated 95-132 VAC Input Module

The 2580 16-point discrete input module accepts sixteen discrete isolated 95-132 VAC inputs to the CTI 2500 Series™ or Simatic® 505® I/O base.

Features:

- ◆ Replaces Siemens® 505-2580
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Sourcing and sinking applications
- ◆ Indicator LEDs for each channel



2581 16-Point Isolated 12-56 VDC Input Module

The 2581 16-point discrete input module accepts sixteen discrete isolated 12-56 VDC inputs to the CTI 2500 Series™ or Simatic® 505® I/O base.

Features:

- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Sourcing and sinking applications
- ◆ Indicator LEDs for each channel



2582 16-Point Isolated 125 VDC Input Module

The 2582 16-point discrete input module accepts sixteen 125 VDC discrete isolated inputs to the CTI 2500 Series™ or Simatic® 505® I/O base.

Features:

- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Sourcing and sinking applications
- ◆ Indicator LEDs for each channel



2585 16-Point TTL / Word Input Module

The 2585 16-point TTL input module accepts sixteen TTL inputs to the CTI 2500 Series™ or Simatic® 505 I/O base. Note that the 2585 is available by special order only. A minimum quantity purchase is required.

Features:

- ◆ Selectable discrete (X) or word (WX) format
- ◆ 1500V channel-to-backplane isolation
- ◆ Sourcing and sinking applications
- ◆ Indicator LEDs for each channel



Universal Discrete Input Module

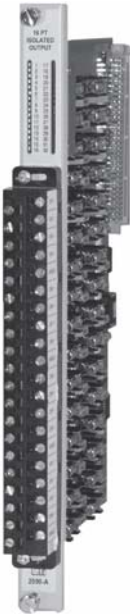
2588-8 8-Point

2589-A 8/16/32-Point

The 2588-8 and 2589-A are designed to accept both AC and DC voltage inputs and are compatible with the CTI 2500 Series™ or Simatic® 505® I/O base. The 2589-A can be configured to login as 8, 16 or 32-points.

Features:

- ◆ 2588-8 replaces Siemens® 505-4008, 4208, 4308, 4408 with no rewiring
- ◆ 2589-A replaces Siemens® 505-4008, 4016, 4032, 4116, 4132, 4208, 4216, 4232, 4308, 4316-A, 4332, 4408, 4416-A, 4432-A with no rewiring
- ◆ Wide 11V to 250V AC/DC range (note only 16 inputs allowed on 250VAC)

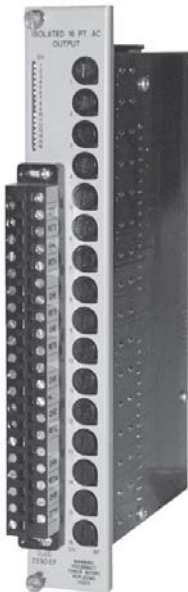


2590-A 16-Point Isolated Discrete 20-132 VAC Output Module

The 2590-A 16-point discrete output module provides sixteen isolated outputs from the CTI 2500 Series™ or Simatic® 505® I/O base. The 2590-A is designed to switch externally supplied 20 to 132 VAC.

Features:

- ◆ Replaces Siemens® 505-2590-A
- ◆ Supports sourcing and sinking applications
- ◆ 2.0 Amps per output with no-derating
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Outputs individually fused
- ◆ Blown fuse indicator
- ◆ Blown fuse reporting to the PLC

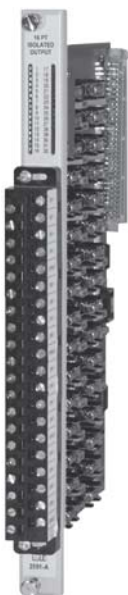


2590-EF 16-Point Isolated 20-132 VAC Output with Front Panel Accessible Fuses

The 2590-EF 16-point discrete output module provides sixteen isolated outputs from the CTI 2500 Series™ or Simatic® 505® I/O base with front panel accessible fuses.

Features:

- ◆ Supports sourcing and sinking applications
- ◆ Front panel accessible fuses for easier maintenance
- ◆ 2.0 Amps per output with no-derating
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Outputs individually fused
- ◆ Blown fuse indicator
- ◆ Blown fuse reporting to the PLC

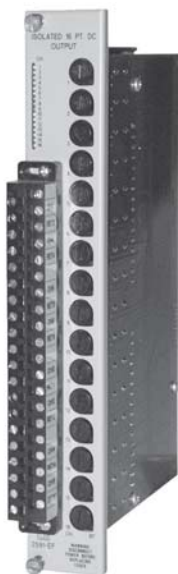


2591-A 16-Point Isolated 11-146 VDC Output Module

The 2591-A 16-point discrete output module provides sixteen isolated outputs from the CTI 2500 Series™ or Simatic® 505® I/O base. The 2591-A is designed to switch externally supplied 11 to 146 VDC.

Features:

- ◆ Supports sourcing and sinking applications
- ◆ 1.5 Amps per output with no-derating
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Outputs individually fused
- ◆ Blown fuse indicator
- ◆ Blown fuse reporting to the PLC



2591-EF 16-Point Isolated 11-146 VDC Output with Front Panel Accessible Fuses

The 2591-EF 16-point discrete output module provides sixteen isolated outputs from the CTI 2500 Series™ or Simatic® 505® I/O base with front panel accessible fuses.

Features:

- ◆ Supports sourcing and sinking applications
- ◆ Front panel accessible fuses for easier maintenance
- ◆ 1.5 Amps per output with no-derating
- ◆ 1500V channel-to-channel isolation
- ◆ 1500V channel-to-backplane isolation
- ◆ Outputs individually fused
- ◆ Blown fuse indicator
- ◆ Blown fuse reporting to the PLC

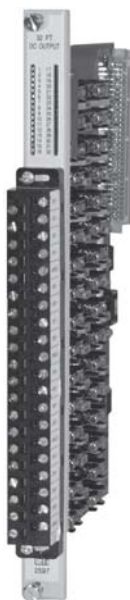


2595 16-Point TTL / Word Output Module

The 2595 16-point TTL output module provides sixteen TTL driven outputs from the CTI 2500 Series™ or Simatic® 505® I/O base. Note that the 25950 is available by special order only. A minimum quantity purchase is required.

Features:

- ◆ Selectable discrete (Y) or word (WY) format
- ◆ Sourcing and sinking applications
- ◆ 1500V channel-to-backplane isolation
- ◆ Indicator LEDs for each channel



2596-8 8-Point DC Output Module

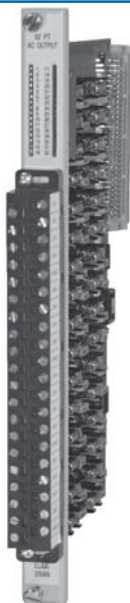
2596 8/16-Point DC Output Module

2597 8/16/32-Point DC Output Module

These modules provide 8, 16, and 32 11-125 VDC outputs from the CTI 2500 Series™ or Simatic® 505® I/O base. The solid-state outputs can be used to switch on or off external devices such as pilot lamps, motor starters, or solenoids.

Features:

- ◆ 2596-8 replaces Siemens® 505-4508, 4708
- ◆ 2596 replaces Siemens® 505-4508, 4516, 4708, 4716
- ◆ 2597 replaces Siemens® 505-4508, 4516, 4532, 4708, 4716, 4732
- ◆ Individually fused sourcing outputs
- ◆ Wide 11-125 VDC output range
- ◆ 2.0 Amps per output

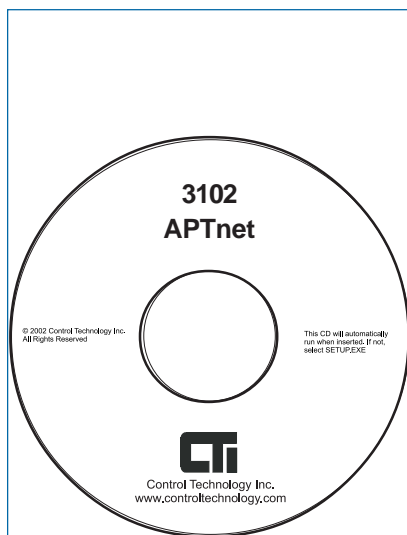


2598-8 8-Point AC Output Module **2598 8/16-Point AC Output Module** **2599 8/16/32-Point AC Output Module**

These modules provide 8, 16 or 32 11-240 VAC outputs from the CTI 2500 Series™ or Simatic® 505® I/O base. The solid-state output circuits can be used to switch on or off external devices such as pilot lamps, motor starters, or solenoids.

Features:

- ◆ 2598-8 replaces Siemens® 505-4608, 4808
- ◆ 2598 replaces Siemens® 505-4608, 4616, 4808, 4816
- ◆ 2599 replaces Siemens® 505-4608, 4616, 4632, 4808, 4816, 4832
- ◆ Individually fused sourcing outputs
- ◆ Wide 11-240 VAC output range
- ◆ 2.0 Amps per output



3102 APTnet **3110 3M Processor Object for APT**

With CTI extensions for APT, you can get more from your existing APT installations.

APTnet allows APT® to communicate with any CTI 2500 Series™ or Simatic® 505® system in your plant using Ethernet and the CTI 2572-A.

The 3M Processor Object allows use by APT of extended memory available in CTI 2500-C400 Processors.



5250-TI5 Access Module for CTI 2500 Series™ and Simatic® 505

The 5250-TI5 is used with CTI 2500 Series™ or Simatic® 505® programmable controllers. It monitors and permits adjustment of any timer, counter, relay (CR, X, Y), or V memory location. The 5250-TI5 also allows display of password protected locations and discrete I/O states and 80 character user defined messages.

Features:

- ◆ DOS-based configuration software
- ◆ PLC diagnostic, alarm and error message display
- ◆ Context-sensitive text screens

Notes

