

Model 1850
Termination Panel
INSTRUCTION MANUAL

August, 1989

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Lockport, Illinois
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*****SPECIAL OPTION*****

Model 1850-S004

Termination Panel

March, 1991

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Model 1850-S004

*****SPECIAL OPTION*****

Model 1850-S004

Termination Panel

The Model 1850-S004 is the same as the Model 1850-A1D except that a 15 meter has replaced a 2 meter cable.

JRH:rem(WP)

March 4, 1991

Special Option

Model 1850-S005

April 1986

Model 1850-S005

Special Option

Model 1850-S005

The 1850-S005 is an 1850 A1D without cable.

16 April 1986

*****SPECIAL OPTION*****

Model 1850-S009

Termination Panel

January, 1991

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Model 1850-S009

*****SPECIAL OPTION*****

Termination Panel

The Model 1850-S009 is the same as the model 1850-P1D except that the cable is 10 meters long.

JRH:rem(WP)
January 21, 1991

*****SPECIAL OPTION*****

Model 1850-S011

Termination Panel

May, 1991

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Model 1850-S011

*****SPECIAL OPTION*****

Model 1850-S011

The Model 1850-S011 is the same as the 1850-A1D except that the cable provides a single overall shield.

JRH:rem
May 23, 1991

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KineticSystems Corporation

Standardized Data Acquisition and Control Systems

1850

Termination Panel

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(Rev. Aug. 89)

FEATURES

- 52 terminations
- 16 ampere/300 volt rating
- 19-inch rack mounting
- Wall mounting kit available
- Wire channel available

APPLICATIONS

- Field wiring termination
- Module I/O termination
- General-purpose patch panel



GENERAL DESCRIPTION *(Product specifications and descriptions subject to change without notice.)*

The Model 1850 Termination Panel provides a convenient field termination method for module I/O signals. It is arranged for 19-inch relay rack mounting and requires only 4.45 centimeters (1¾-inch) of rack height. The 1850 is a rigid extruded aluminum channel containing 52 termination blocks which feature a screw clamp retention for the wires. The termination blocks accept wire sizes from 22 AWG to 12 AWG and have a UL rating of 16 amperes and 300 volts.

The 1850 is a universal termination, with four versions available for commonly used module I/O connectors. Other connector types are available by special order.

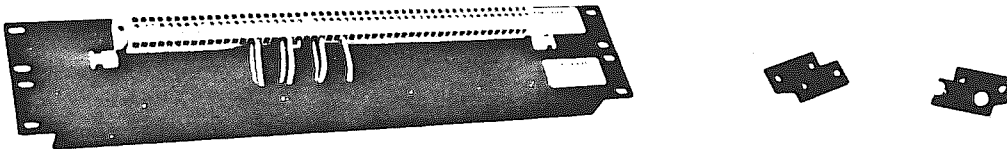
The 1850 includes a fully terminated two meter (6.6 foot) cable assembly. A cable with a 50-contact ribbon plug on one end and a 50-contact socket on the other end is included for the 1850-A1D. The 1850-A1E, which does not include a cable, is used for applications requiring longer cable lengths or an I/O connector other than the 50-contact ribbon plug. A 5850-Series cable with a 50-contact socket connector on one end must be specified. For all other options, the two meter cable is "hard wired" to the 1850 Termination Panel.

OPTIONAL ACCESSORIES

The Wire Channel (1850-005) is rigid extruded aluminum and contains a rear-mounted wire duct permitting a neat and orderly fan-out of signal wires. It is arranged for 19-inch relay rack mounting and requires only 4.45 centimeters (1¾-inch) of rack height.

The Z Bracket Kit (1850-001) converts the 1850 Termination Panel to a wall-mounted unit.

Test plugs (1850-004) permit an oscilloscope, meter, or other test instrument to be easily connected to any termination block. They also serve as jumpers or patch plugs.



ORDERING INFORMATION

Weight: .60 kg. (1 lb. 5 oz.)

Model No.	Use with Module Suffix	Term. Panel Connector	Cable I/O Connector	Cable Length
1850-A1D	-Ayz	50P Ribbon	50P Ribbon	2.0 m
1850-A1E	—	50P Ribbon	Without cable, Use 5853 or 5855-Series Cables	—
1850-E1D	-Eyz	Fixed Wiring	DD50S	2.0 m
1850-F1D	-Fyz	Fixed Wiring	2D52S	2.0 m
1850-P1D	-Pyz	Fixed Wiring	36-contact P.C. Edge w/Paddle Card	2.0 m

Accessories — Model 1850-001 Z Bracket Wall Mounting Kit
Model 1850-004 Test Plug (ten pieces)
Model 1850-005 Wire Channel

1850 SERIES TERMINATION PANELS

The 1850 Termination Panel terminal blocks will accept wire sizes from 22 AWG to 12 AWG with a recommended wire strip length of 9mm (0.35 inches). A 75-pole jumper comb (1850-002) is provided with each 1850-series termination panel. Test plugs (1850-004) can be inserted into the termination blocks for metering. The termination panels are designed for 19" relay racks or can be wall mounted using Z-bracket wall-mounting kits (1850-001). (See Figure 1.) An optional wiring duct channel (1850-005) can be used to aid in wiring the termination panel.

MODEL 1850-A1D

The termination blocks are numbered in accordance with the wire pairing of the ribbon connector 1,26; 2,27 through 25,50. The fifty-first and fifty-second terminal blocks are spares for optional wiring.

To convert the 1850-A1D from a rack to a wall-mounted unit, the AMP Champ connector screws must be removed and the connector rotated 90° and the screws replaced. (See Figure 2.)

MODEL 1850-E1D

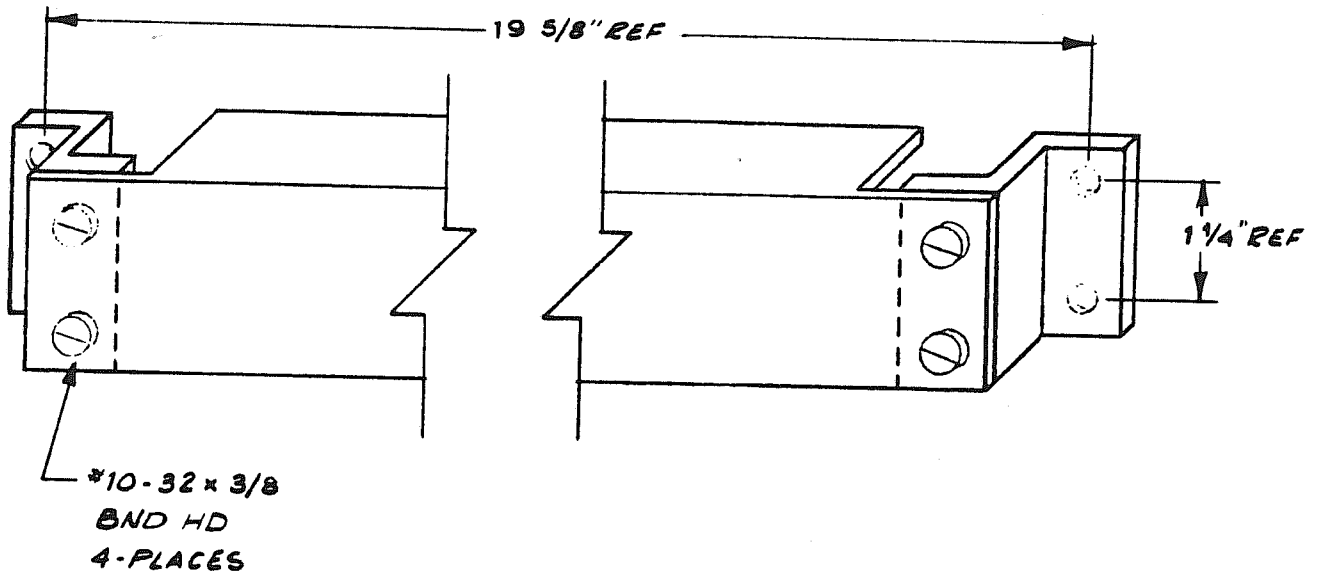
The termination blocks are numbered sequentially 1 through 50 and are terminated via a 4.6 meter cable to a DD50S connector. The fifty-first and fifty-second terminal blocks are spares for optional wiring.

MODEL 1850-F1D

The termination blocks are numbered sequentially 1 through 52 and are terminated via a 4.6 meter cable to a 2D52S connector.

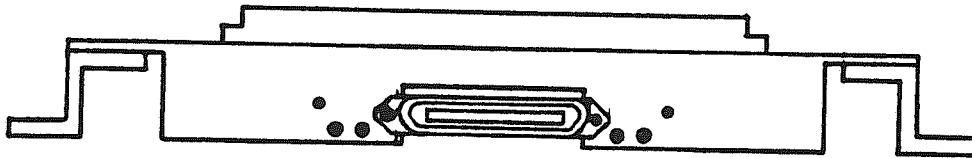
MODEL 1850-P1D

The termination blocks are numbered sequentially with terminals 1 through 36 terminated via a 4.6 meter cable to an 18/36 PC-edge connector. The remaining terminal blocks (37 through 52) are spares. The terminal blocks are wired to the connector as shown in Figure 3.

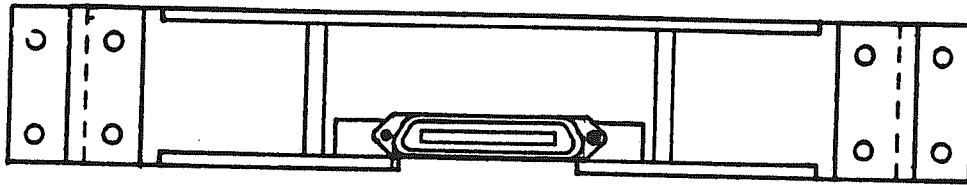


TERMINATION PANEL 'Z' BRACKET WALL-MOUNTING KIT

FIGURE 1



CONNECTOR POSITIONED FOR RACK MOUNTING
BOTTOM VIEW



CONNECTOR POSITIONED FOR WALL MOUNTING
BACK VIEW

FIGURE 2

<u>TERM. #</u>	<u>CONNECTOR PIN</u>	<u>TERM. #</u>	<u>CONNECTOR PIN</u>
1	1	19	10
2	1R	20	10R
3	2	21	11
4	2R	22	11R
5	3	23	12
6	3R	24	12R
7	4	25	13
8	4R	26	13R
9	5	27	14
10	5R	28	14R
11	6	29	15
12	6R	30	15R
13	7	31	16
14	7R	32	16R
15	8	33	17
16	8R	34	17R
17	9	35	18
18	9R	36	18R

MODEL 1850-PLD WIRING

FIGURE 3

WARRANTY

KineticSystems Company, LLC warrants its standard hardware products to be free of defects in workmanship and materials for a period of one year from the date of shipment to the original end user. Software products manufactured by KineticSystems are warranted to conform to the Software Product Description (SPD) applicable at the time of purchase for a period of ninety days from the date of shipment to the original end user. Products purchased for resale by KineticSystems carry the original equipment manufacturer's warranty.

KineticSystems will, at its option, either repair or replace products that prove to be defective in materials or workmanship during the warranty period.

Transportation charges for shipping products to KineticSystems shall be prepaid by the purchaser, while charges for returning the repaired warranty product to the purchaser, if located in the United States, shall be paid by KineticSystems. Return shipment will be made by UPS, where available, unless the purchaser requests a premium method of shipment at their expense. The selected carrier shall not be construed to be the agent of KineticSystems, nor will KineticSystems assume any liability in connection with the services provided by the carrier.

The product warranty may vary outside the United States and does not include shipping, customs clearance, or any other charges. Consult your local authorized representative or reseller for more information regarding specific warranty coverage and shipping details.

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Products will not be accepted for credit or exchange without the prior written approval of KineticSystems. If it is necessary to return a product for repair, replacement or exchange, a Return Authorization (RA) Number must first be obtained from the Repair Service Center prior to shipping the product to KineticSystems. The following steps should be taken before returning any product:

1. Contact KineticSystems and discuss the problem with a Technical Service Engineer.
2. Obtain a Return Authorization (RA) Number.
3. Initiate a purchase order for the estimated repair charge if the product is out of warranty.
4. Include a description of the problem and your technical contact person with the product.
5. Ship the product prepaid with the RA Number marked on the outside of the package to:

KineticSystems Company, LLC
Repair Service Center
900 North State Street
Lockport, IL 60441

Telephone: (815) 838-0005
Facsimile: (815) 838-4424
Email: tech-serv@kscorp.com