

INSTRUCTION SHEET

VRC-1000
ACCESSORY

SCREW BARRIER STRIP
INTERFACE

GENTNER
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INSTRUCTION SHEET - VRC-1000 ACCESSORY

The Screw Barrier Strip Panel Interface Accessory provides for the interface of one DB connector on the rear of the VRC-1000 to barrier strip. All three types of inputs/outputs can be accommodated by this accessory.

The Screw Barrier strip itself is mounted on a rack panel. Attached is the four-foot interconnecting cable. Pin numbers of the VRC-1000 connector to screw numbers (top or bottom) of the Screw Barrier Strip are found beginning on the next page. The four-foot cable is terminated at one end with a 37-pin D female connector. This connector mates with any of the four male connectors on the rear of the VRC-1000.

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DB-37 Pin No.	Wire Color	Metering Function	Status Function	Command Function Ch 1-8	Command Function Ch 9-16	Termination Pin No.
1	Black	Ch 1	Ch 1	Ch 1 A	Ch 9 A	1 Top
20	White	Gnd	Gnd	Gnd	Gnd	2 Top
2	Red	Ch 2	Ch 2	Ch 1 B	Ch 9 B	3 Top
21	Green	Gnd	Gnd	Gnd	Gnd	4 Top
3	Orange	Ch 3	Ch 3	Ch 2 A	Ch 10 A	5 Top
22	Blue	Gnd	Gnd	Gnd	Gnd	6 Top
4	White/Black	Ch 4	Ch 4	Ch 2 B	Ch 10 B	7 Top
23	Red/Black	Gnd	Gnd	Gnd	Gnd	8 Top
5	Green/Black	Ch 5	Ch 5	Ch 3 A	Ch 11 A	9 Top
24	Orange/Black	Gnd	Gnd	Gnd	Gnd	10 Top
6	Blue/Black	Ch 6	Ch 6	Ch 3 B	Ch 11 B	11 Top
25	Black/White	Gnd	Gnd	Gnd	Gnd	12 Top
7	Red/White	Ch 7	Ch 7	Ch 4 A	Ch 12 A	13 Top
26	Green/White	Gnd	Gnd	Gnd	Gnd	14 Top
8	Blue/White	Ch 8	Ch 8	Ch 4 B	Ch 12 B	15 Top
27	Black/Red	Gnd	Gnd	Gnd	Gnd	16 Top

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DB-37 Pin No.	Wire Color	Metering Function	Status Function	Command Function Ch 1-8	Command Function Ch 9-16	Termination Pin No.
9	White/Red	Ch 9	Ch 9	Ch 5 A	Ch 13 A	17 Top
28	Orange/Red	Gnd	Gnd	Gnd	Gnd	18 Top
10	Blue/Red	Ch 10	Ch 10	Ch 5 B	Ch 13 B	19 Top
29	Red/Green	Gnd	Gnd	Gnd	Gnd	20 Top
11	Orange/Grn	Ch 11	Ch 11	Ch 6 A	Ch 14 A	21 Top
30	Blk/Wht/Red	Gnd	Gnd	Gnd	Gnd	22 Top
12	Wht/Blk/Red	Ch 12	Ch 12	Ch 6 B	Ch 14 B	23 Top
31	Red/Blk/Wht	Gnd	Gnd	Gnd	Gnd	24 Top
13	Grn/Blk/Wht	Ch 13	Ch 13	Ch 7 A	Ch 15 A	1 Bottom
32	Orn/Blk/Wht	Gnd	Gnd	Gnd	Gnd	2 Bottom
14	Blu/Blk/Wht	Ch 14	Ch 14	Ch 7 B	Ch 15 B	3 Bottom
33	Blk/Red/Grn	Gnd	Gnd	Gnd	Gnd	4 Bottom
15	Wht/Red/Grn	Ch 15	Ch 15	Ch 8 A	Ch 16 A	5 Bottom
34	Red/Blk/Grn	Gnd	Gnd	Gnd	Gnd	6 Bottom
16	Grn/Blk/Orn	Ch 16	Ch 16	Ch 8 B	Ch 16 B	7 Bottom
35	Orn/Blk/Grn	Gnd	Gnd	Gnd	Gnd	8 Bottom
17	Blu/Wht/Orn	+5*	Gnd	+5*	+5*	9 Bottom
36	Blk/Wht/Orn	Gnd	Gnd	Gnd	Gnd	10 Bottom
18	Wht/Red/Orn	+5*	Gnd	+5*	+5*	11 Bottom
37	Orn/Wht/Blu	Gnd	Gnd	Gnd	Gnd	12 Bottom
19	Wht/Red/Blu	+5*	Gnd	---	---	13 Bottom

Note: +5* = 220 Ohm resistor pull-up to +5 V

WARRANTY

GENTNER RF PRODUCTS DIVISION, GENTNER ENGINEERING COMPANY, INC. (Manufacturer) warrants that this product is free of defects in both materials and workmanship. Should any part of this equipment be defective, Manufacturer agrees, at its option, to:

A. Repair or replace any defective part free of charge (except transportation charges) for a period of 12 months from the date of the original purchase, provided the owner returns the equipment to Manufacturer at the address set forth below. No charge will be paid for parts or labor during this period.

B. Replace or furnish replacement for any defective parts in the equipment for a period of one year from the date of original purchase. Replacement parts shall be furnished without charge except labor and transportation.

This Warranty excludes assembled products not manufactured by Manufacturer whether or not they are incorporated in a Manufacturer product or sold under a Manufacturer part or model number.

THIS WARRANTY IS VOID IF:

A. The equipment has been damaged by negligence, accident, act-of-God or mishandling, or has not been operated in accordance with the procedures described in the operating and technical instructions; or,

B. The equipment has been altered or repaired by other than manufactured or provided by authorized service representative of Manufacturer; or,

C. Adaptations or accessories other than those manufactured or provided by Manufacturer have been made or attached to the equipment which, in the determination of Manufacturer, shall have affected the performance, safety, or reliability of the equipment; or,

D. The equipment's original serial number has been modified or removed.

NO OTHER WARRANTY EXPRESS OR IMPLIED, INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE, APPLIES TO THE EQUIPMENT, nor is any person or company authorized to assume any warranty for Manufacturer or any other liability in connection with the sale of Manufacturer products.

Manufacturer does not assume any responsibility for consequential damages, expenses or loss of revenue or property, inconvenience or interruption in operation experienced by the customer due to a malfunction in the purchased equipment. No warranty service performed on any product shall extend the applicable warranty period.

In case of unsatisfactory operation, the purchaser shall promptly notify Manufacturer at the address set forth below, in writing, giving full particulars as to the defects or unsatisfactory operation. Upon receipt of such notice, Manufacturer will give instructions respecting the shipment of the equipment, or such other matters as it elects to honor this warranty as above provided. This warranty does not cover damage to the equipment during shipping and Manufacturer assumes no responsibility for such damage. All shipping costs shall be paid by customer.

This warranty extends only to the original purchaser and is not assignable or transferable.

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