



TELEDYNE INSTRUMENTS

Advanced Pollution Instrumentation

A Teledyne Technologies Company
9480 Carroll Park Drive, San Diego, CA 92121-5201
Phone (858) 657-9800 Fax: (858) 657-9818 Toll Free 1800 324-5190
E-mail: api-customerservice@teledyne.com <http://www.teledyne-api.com>

Service Note

94 -002
2 May, 2007

115V/60Hz 501 RETRO FIT INSTRUCTIONS

The 501 Hi Temp Convertor has been redesigned to eliminate the possibility of a malfunction of the temperature controller. To avoid any potential relay failures in the controller, the following modifications are required. If unable to install the retrofit, please call the factory at 1-800-324-5190 for help or return authorization number. The retrofit kit included is part # 01271.

To install:

Tools needed: blade screwdrivers #1, #2
cross point screwdriver #3.

Turn power off to 501.

Remove cover to 501.

Install relay-find hole on print 1030 sheet 2 "have now". Place relay here and attach with screw/nut combination, and now tighten nut.

Remove jumper from barrier strip TB1-5B to TB1-8B.

Add wire from TB1-5B to relay pin 2.

Remove wire from controller pin 4 at TB1-3B.

Remove wire from controller pin 5 at TB1-2B.

Add jumper wire from TB1-2B to TB1-3B.

Put wire from controller pin 4 to relay pin 1.

Put wire from controller pin 5 to relay pin 3.

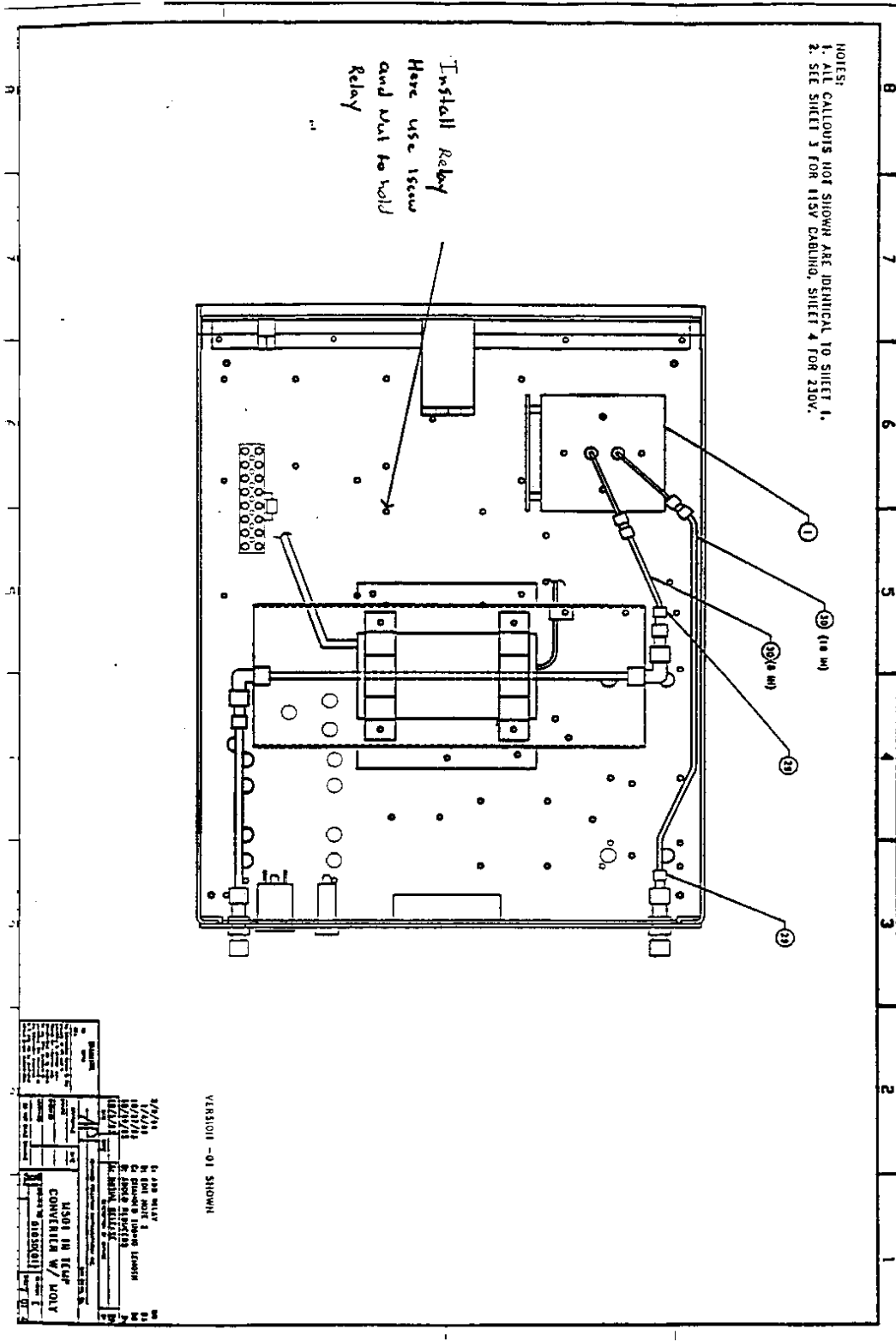
Add jumper wire from controller pin 7 to controller pin 4.

Add jumper wire from TB-1 from TB1-7A to relay pin 4.

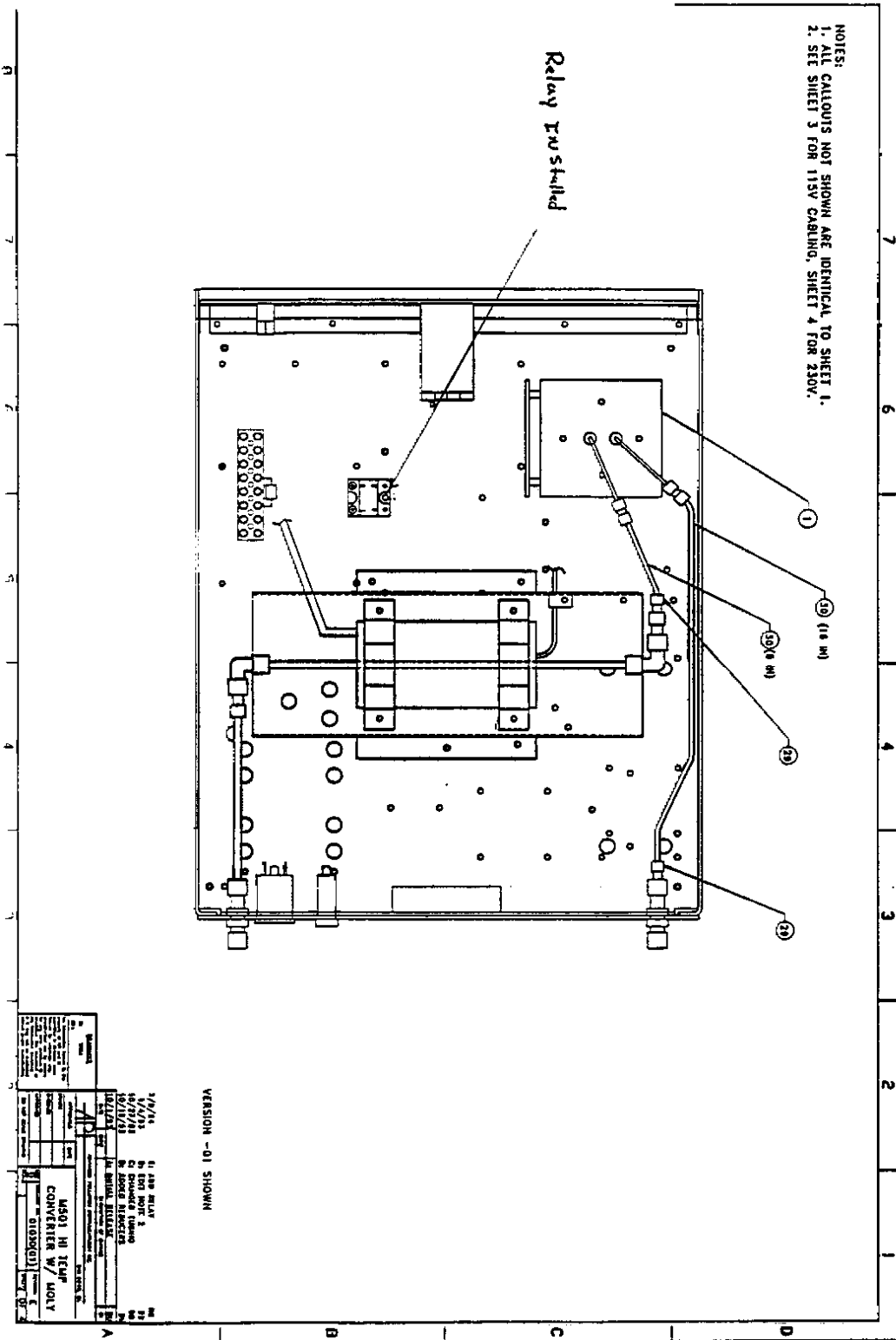
Kit includes:

Part	Qty	Location	
RL-9	1.0		
WR-28	1.5"	TB1 pin 2B	to TB1 pin 3B
WR-28	9.0"	TB1 pin SB	to relay pin 2
WR-28	4.0"	Controller	pin 4 to controller pin 7
SN9	1.0	Hold relay	nut
SN87	1.0	Hold relay	screw #8
WR-44	10.0"	TB1 pin 7A	to relay pin 4

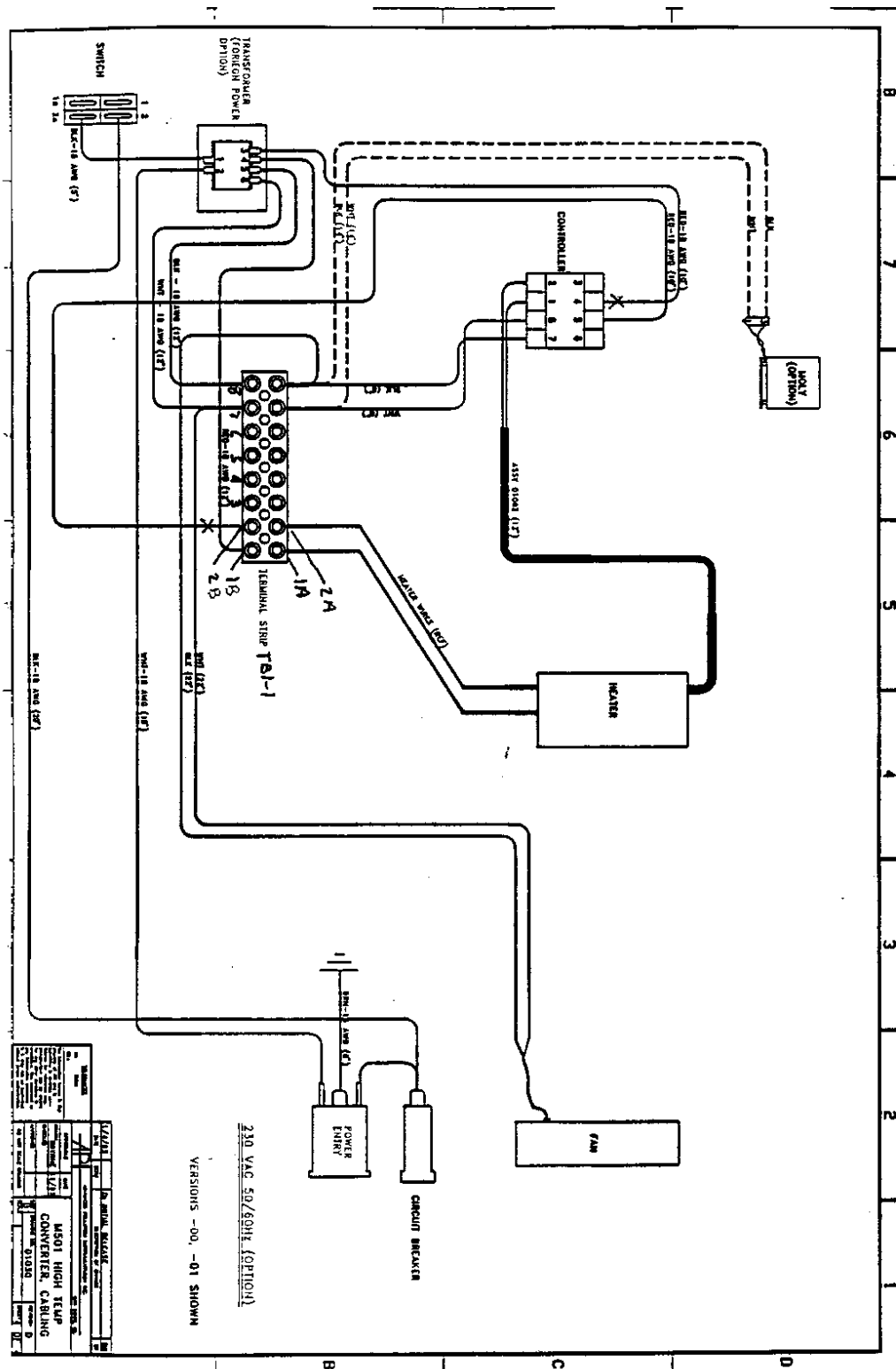
Have now

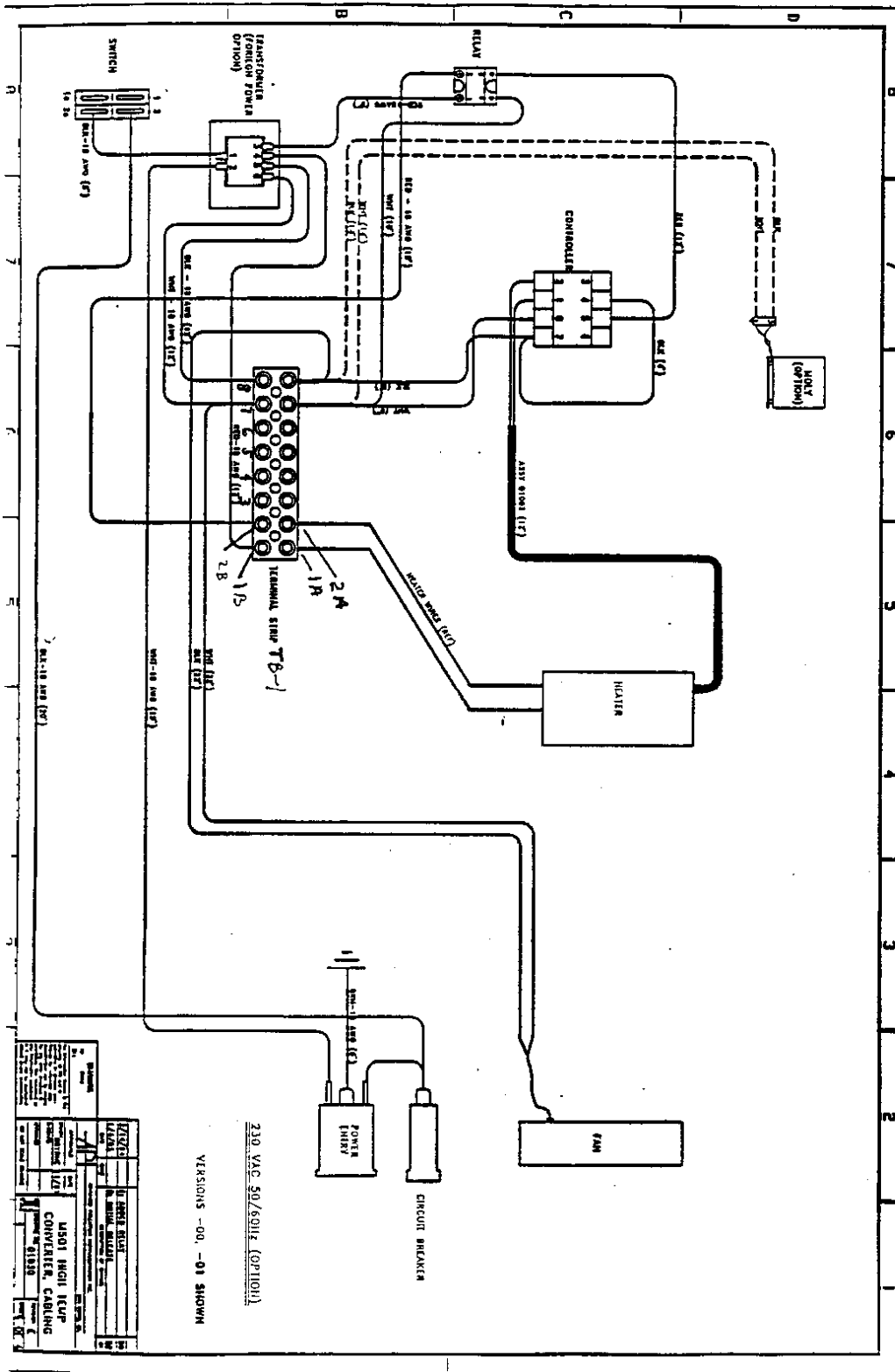


When Finished



Ha Nov





Wh.m Done