

SETUP:

The following tools are required: wire cutter, wire stripper, phillips screwdriver, flat head screwdriver, and quick-disconnect crimper.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

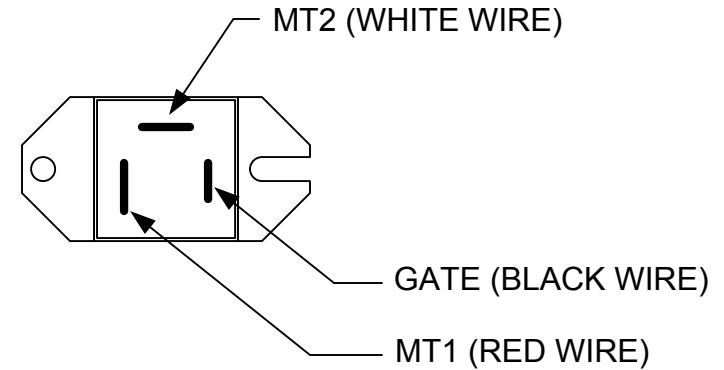


Figure 2 - New Triac

PROCEDURE:

- Step 1: Turn OFF the OMNI 3S controller and UNPLUG the power cord.
- Step 2: Cut the three wires at the thyristor.
NOTE: Cut wires as close as possible to the thyristor.
- Step 3: Remove the thyristor heat sink assembly from the panel, by removing three screws.
- Step 4: Strip a ¼" of insulation from the three wires that were removed from the thyristor.
- Step 5: Crimp .250 x .032 Female Quick-disconnect Terminals to the Red and White wire.
- Step 6: Crimp .187 x .032 Female Quick-disconnect Terminal to the Black wires.
- Step 7: Mount the triac to the panel at the hole location near the terminal strip where the thyristor heat sink assembly was with one of the screws removed in step 2.
- Step 8: Place the red wire on MT1 spade lug. (See Figure 2)
- Step 9: Place the white wire on MT2 spade lug. (See Figure 2)
- Step 10: Place the white wire on MT2 spade lug. (See Figure 2)

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	19941	TRIAC, 25AMP, 400V, #Q4025P
2	4	10647	TERMINAL, CRIMP, 18-24AWG
3	4	47003	TUBING, HEAT SHRINK, 1/8", 1.00"Long

		UNIVERSAL DYNAMICS, INC. A Company of MANN+HUMMEL ProTec 13600 Dabney Road P.O. Drawer X Woodbridge, VA 22194-0396 USA
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DRAWN		PDS 10/27/05		TITLE		RETROFIT, THYRISTOR, OMNI 3S	
ISSUED	PDS 10/27/05	SIZE	A	FSCM NO		DWG NO	Y250551
		SCALE				SHEET	1 of 1