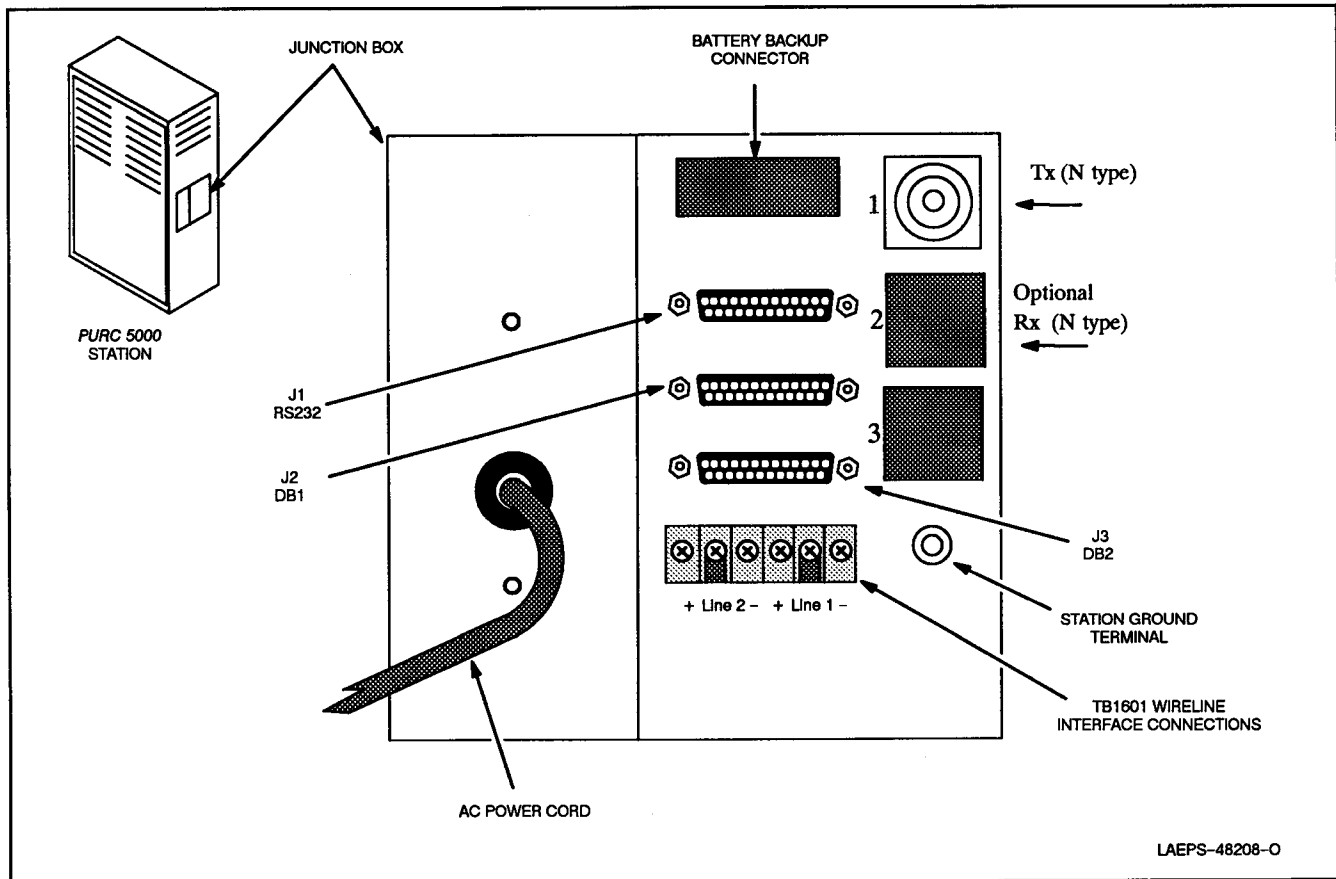*Figure 5. Low Power **PURC 5000** Junction Box*

*Figure 6. High Power **PURC 5000** Junction Box*

Step 3. Connect the blue connector (P605, part of the TRN5155A External Battery Cable Kit) into the optional battery power connector (J605) located on the junction box. See Figure 5 or 6 as applicable.

Step 4. Remove the fuse from the fuse holder and mount the fuse holder (supplied with the TRN5155A kit) to the battery rack as close as possible to the battery using the two 8 X 1-1/4" tapping screws provided.

Step 5. Determine the length of red 8-gauge wire required to run from P605 to the fuse block. Route and cut the red wire to length. Attach the red wire to the fuse block.

Step 6. Use the cutoff piece of red wire to connect the fuse block to the battery. A ring tongue lug is provided to facilitate connecting the wire to the battery. After checking that all connections are secure and that polarity is proper, install the fuse removed in Step 4.

8. EXTERNAL SYSTEM CONNECTIONS

The station junction box provides wireline terminals (L1 and L2), an RS232 connector (J1/RS232), an External Paging Modem connector (J2/DB1), and a Wildcard connector (J3/DB2), to make all system interconnections to the *PURC 5000* Advanced Control stations. Figure 7 provides connector details for the J2/DB1 and J3/DB2 connectors.

9. CONTROL WIRELINE INSTALLATION

The control line may be installed prior to installation of the cabinet and terminated near the location chosen for the station. Conduit or two-wire cable can be used from this termination to the station junction box line interface terminal block.

Connect the wirelines to the screw terminals on the junction box line interface terminal block as shown in Figures 5 and 6.

10. EXTERNAL CONNECTION DESCRIPTIONS

J1/RS232 is a standard RS232 configuration, providing a connection for a communication modem. J2/DB1 provides the connections for an external paging modem, LAN connections, local control interface, relay signals, and User Audio. J3/DB2 contains external inputs and outputs (Wildcard connections) and External Monitor Disable.
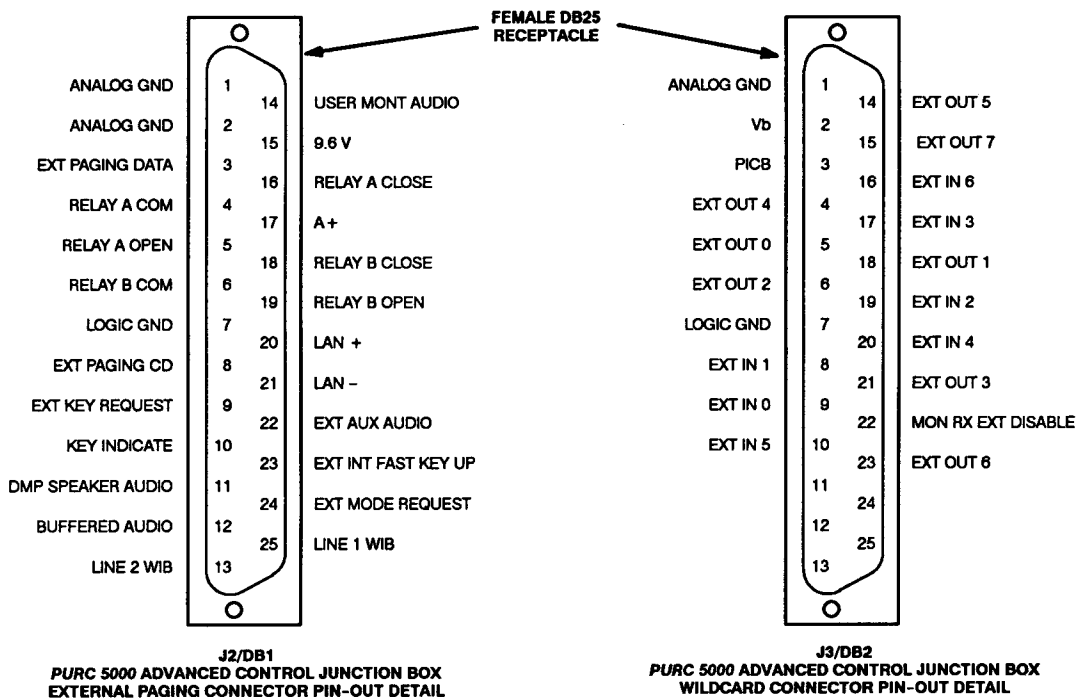
FEMALE DB25 RECEPTACLE

ANALOG GND	1			USER MONT AUDIO	14
ANALOG GND	2			9.6 V	15
EXT PAGING DATA	3			RELAY A CLOSE	16
RELAY A COM	4			A+	17
RELAY A OPEN	5			RELAY B CLOSE	18
RELAY B COM	6			RELAY B OPEN	19
LOGIC GND	7			LAN +	20
EXT PAGING CD	8			LAN −	21
EXT KEY REQUEST	9			EXT AUX AUDIO	22
KEY INDICATE	10			EXT INT FAST KEY UP	23
DMP SPEAKER AUDIO	11			EXT MODE REQUEST	24
BUFFERED AUDIO	12			LINE 1 WIB	25
LINE 2 WIB	13				

J2/DB1
PURC 5000 ADVANCED CONTROL JUNCTION BOX
EXTERNAL PAGING CONNECTOR PIN-OUT DETAIL

ANALOG GND	1			EXT OUT 5	14
Vb	2			EXT OUT 7	15
PICB	3			EXT IN 6	16
EXT OUT 4	4			EXT IN 3	17
EXT OUT 0	5			EXT OUT 1	18
EXT OUT 2	6			EXT IN 2	19
LOGIC GND	7			EXT IN 4	20
EXT IN 1	8			EXT OUT 3	21
EXT IN 0	9			MON RX EXT DISABLE	22
EXT IN 5	10			EXT OUT 6	23
	11				24
	12				25
	13				

J3/DB2
PURC 5000 ADVANCED CONTROL JUNCTION BOX
WILDCARD CONNECTOR PIN-OUT DETAIL

Figure 7. *External Modem and Wildcard Connector Pin-Out Details*