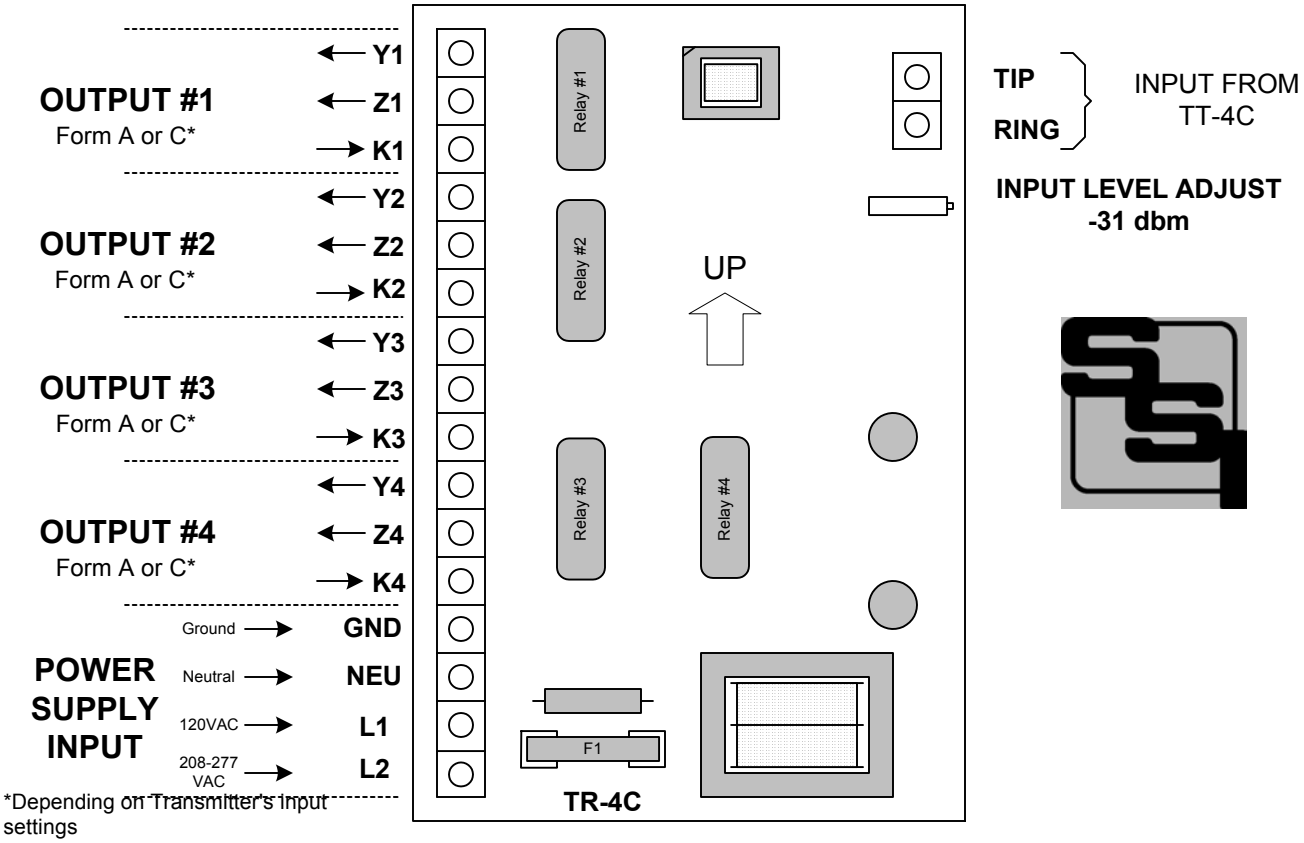
INSTRUCTION SHEET
TR-4C TONE RECEIVER



*Depending on Transmitter's input settings

MOUNTING POSITION - Because the TR-4CC contains mercury-wetted relays, it must be mounted in a vertical position (as shown) to operate correctly.

POWER INPUT - The TR-4CC can be powered by 120VAC or 208 to 277VAC. Connect the GND terminal to the electrical system ground. Connect the Neutral lead to the NEU terminal. Connect the L1 terminal to the 120VAC "Hot" lead for 120VAC operation. Connect the L2 terminal to the 208, 240, or 277 "Hot" lead. **Do not use both L1 and L2.**

RELAY OUTPUTS - The TR-4C has four 3-wire isolated outputs which receive pulses from a TT-C tone transmitter. They are K1,Y1, & Z1 for meter #1; K2,Y2, & Z2 for meter #2; K3,Y3, & Z3 for meter #3; and K4,Y4, & Z4 for meter #4. All output relay contacts are "dry" (no voltage present). The output relays' contacts are mercury-wetted for a no-bouce connection. Arc suppression for the contacts is provided internally by an RC network. If a Form A contact configuration is used on one or more of the TT-4C's inputs, use the K-Y terminals for the corresponding output on the TR-4C.

FUSE - The power supply fuse (F1) supplied on the TR-4C is 1/2 Amp, type 3AG in the 208 to 277VAC input. The 120VAC input is not fused. Remove the fuse (F1) if you are using the 120VAC power supply.

TONE INPUT - The tone input is via two terminals marked TIP & RING. The input level should be normally set for a -31dbm into a 600 ohm load for central office (leased wire pair) or a level of -31 dbm at the TR-4C receiver's tone input for a twisted wire pair. This -31 dbm level allows the receiver to work over a 40dbm range. The input sensitivity may be adjusted by the ten-turn input level adjustment potentiometer.

GROUND - The GND terminal is a common ground with the chassis and is connected to the Chassis by means of the Lower Left-hand mount screw. Do not tie the Ground and Neutral terminals together here.

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