

SPECIFICATIONS and OPERATING FEATURES

S0912941

9/12/94

Models: (Temperature Monitoring Instruments) C-1P, T-1P, E-1P, CC-1P, EE-1P, EC-1P, TT-1P, TC-1P.

Weight: C-1P, T-1P, E-1P - 7 oz. (unit only)
EE-1P, CC-1P, EC-1P, TC-1P - 11.2 oz. (unit only)
6' T.C. Cable - 2 oz. (20' T.C. Cable = 7 oz.)
TIT or CHT Probe - 1.6 oz.

Environmental: Meets TSO C43a

Power Requirements: 7.5 to 30 Volts, 1/10 Amp.

Display: LCD's (viewable in direct sunlight), with 12 and 24 volt backlight control wires.

Over-Temp Warning Light: This light comes on when the displayed temperature exceeds the Max. Limit marked on the front of the instrument. This light will flash during power-up.

External Warning Control Line: Grounds when the Over-Temp Warning Light is on. Current must be limited to 2/10 of an amp.

Display Temperature Range: 1999°F to -1999°F

Accuracy: 1/2% in accordance with TSO C43a.

Resolution: 1°F (with enhanced stability and response circuits).

Probes: Type K, Ungrounded (for improved accuracy, stability and reliability).

Extension Cables: Type K, any length or size (you may use your existing type K cables).

Models: (Remote Switches) RS-5-1P, RS-5-2P, RS-7-1P, RS-7-2P, RS-2-2

Weight: RS-2-2P, RS-5-1P, RS-5-2P RS-7-1P- 3.2 oz. (unit only)
RS-7-2P - 4.9 oz. (unit only)

Environmental: Meets TSO C43a

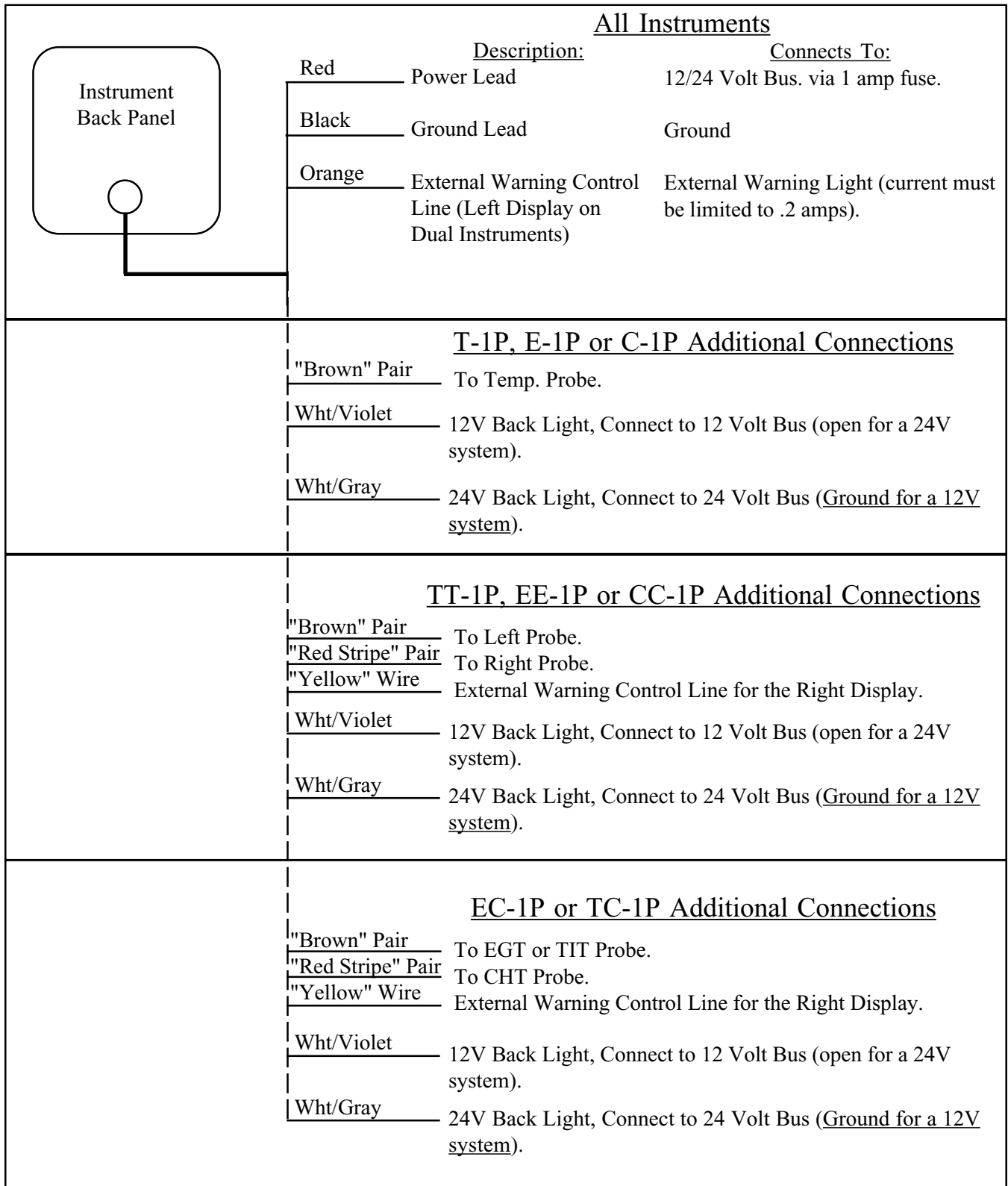
Contacts: Gold

Contact Resistance: <50 milliohms

Angle of Throw: 30 degrees

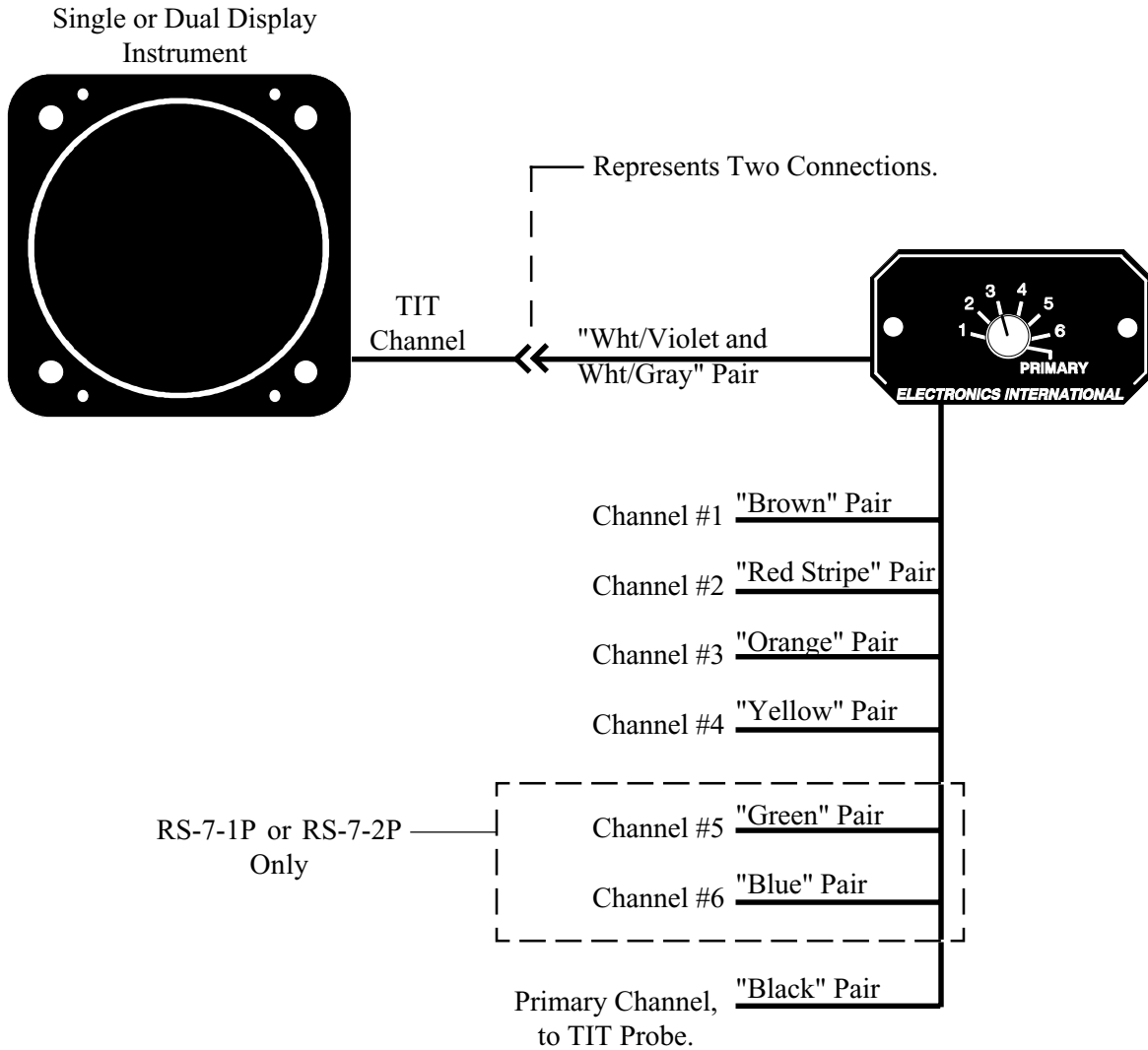
Rotational Torque: 3.5 to 7.5 ounce-inches

Instrument Wiring Diagram



Remote Switch Connected to a Primary TIT Channel

This configuration allows a primary TIT instrument to monitor one TIT and all the EGT's for a four or six cylinder engine.



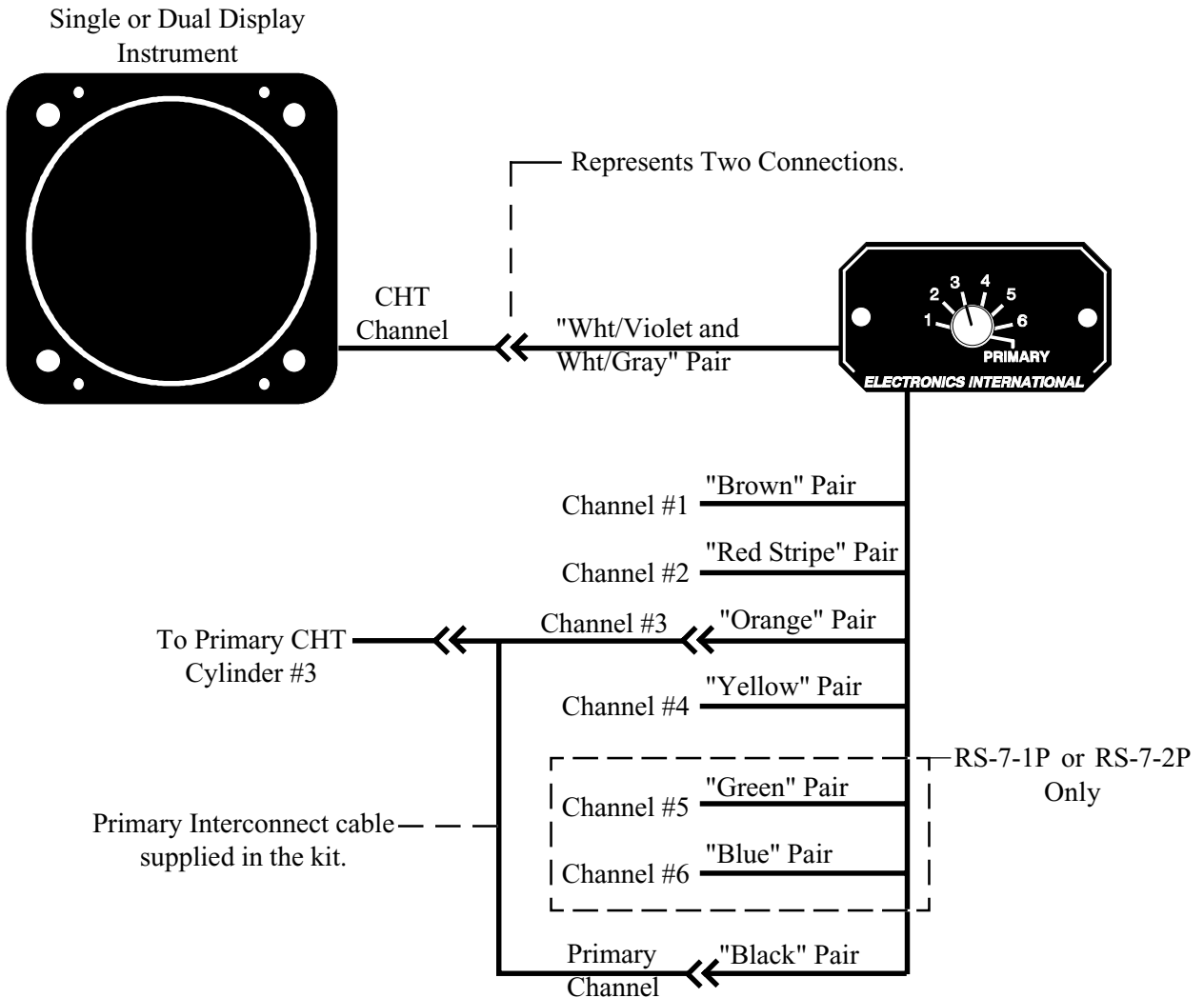
RS-5-2P and RS-7-2P Only

On the back of the RS-5-2P and RS-7-2P there are two groups of the above wires. When one of these switches is used with an Electronics International Dual Display Instrument they can simultaneously select the following:

1. Right and Left TIT and EGT's for a twin engine aircraft.
2. Right and Left CHT's for a twin engine aircraft.
3. TIT, EGT's and CHT's for a single engine aircraft.

Remote Switch Connected to a Primary CHT Channel

This configuration allows a primary CHT instrument to monitor all the CHT's for a four or six cylinder engine. This diagram shows cylinder #3 as the primary CHT. Your installation should use the primary CHT cylinder for your aircraft.



RS-5-2P and RS-7-2P Only

On the back of the RS-5-2P and RS-7-2P there are two groups of the above wires. When these switches are used with one of Electronics International's Dual Display Instruments they can simultaneously select the following:

1. Right and Left TIT and EGT's for a twin engine aircraft.
2. Right and Left CHT's for a twin engine aircraft.
3. TIT, EGT's and CHT's for a single engine aircraft.