



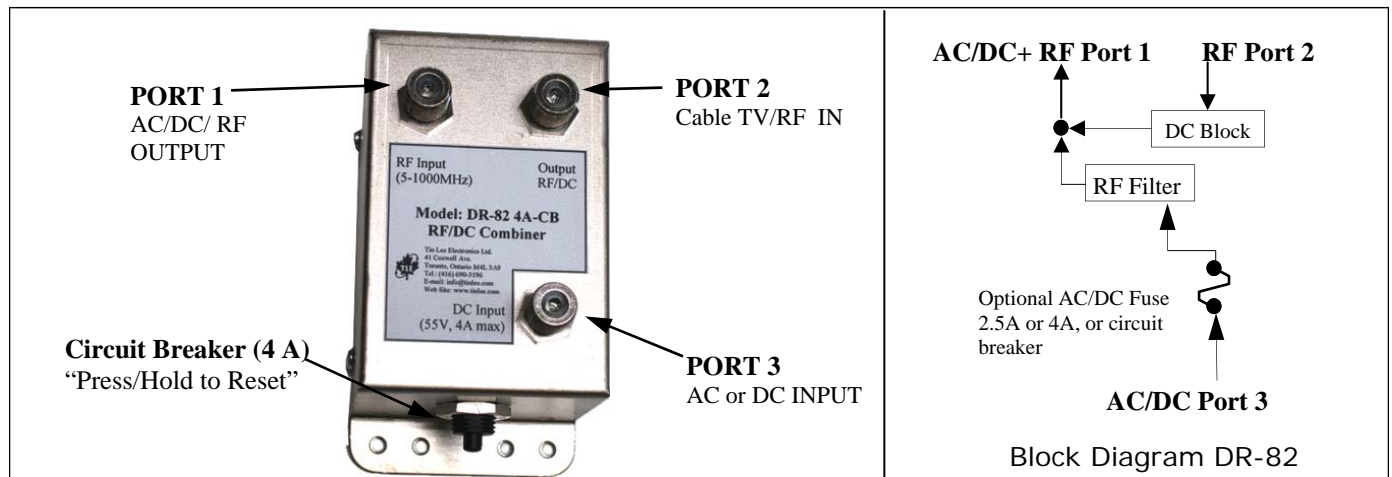
Power Inserter : DR-82 (2 and 4 Amp, RF: 5 to 1000 MHz)

Model **DR-82** is a Bias Tee type combiner. It is designed to combine or separate AC/DC power with TV/RF signal (5-1000 MHz). Models include: DR-82-2A (2 amp), DR-82-4A (4 amp); DR-82-4A-CB (circuit breaker). Add suffix “F” for fuse, or “CB for circuit breaker. Connectors and impedance can be specified for 50 ohms or 75 ohms systems.

- RF Bandwidth: 5-1000 MHz
- Low Passband Thru Loss (< 1dB)
- Good Passband Return Loss (>18 dB @ 1GHz typical)
- High Isolation between AC/DC and RF (>55dB)
- AC/DC Input includes Fuse or Circuit Breaker
- Safety feature: Option Fuse 2.5A or 4A “Fast Action” type
- Safety feature: Option Circuit breaker (4 amp) “slow blow” type, trip free, cannot be held closed against overload, will not recycle, and, push-button resettable
- Connectors: standard F type female, 75 ohms impedance
- Optional Impedance/Connectors: 50 ohms –SMA, BNC, N



Figure 1: DR-82-4A



Model DR-82	RF and AC/DC Specifications
RF Bandwidth	5 to 1000 MHz
RF ports Thru loss	0.75dB typical between ports 1 and 2
RF port Return Loss	>18 dB (5 to 1000 MHz)
AC / RF Isolation	65 dB (5 to 750 MHz) 55 dB (750 to 1000 MHz)
Maximum Voltage rating	250 V AC (sine wave, 50-60 Hz) , or 28 V DC
Current Rating	2.0 or 4.0 amps with Fast Action type option
Circuit Breaker (fuse)	4 amperes, optional slow-blow type with push and hold reset button
Dimension (in) / Weight	4.0 L x 2.0 W x 2.5 H / 0.5 lbs
Temp range	-20 to +40 °C
Connectors/ Impedance	F-type female / 75 ohms (Option: 50 ohms connectors SMA, BNC N)

