



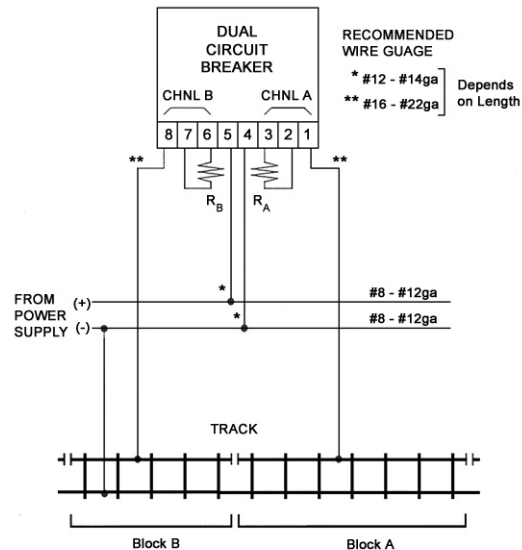
POWER-LYNX

DUAL CHANNEL CIRCUIT BREAKER

The dual channel circuit breaker is designed to interrupt power to any circuit that has an overload. Each channel of the breaker will trip at a maximum current level that is determined by an external resistor. The range of trip values is shown in the table below.

If the breaker trips, it automatically attempts to reset 2 to 3 times per second. If the fault is still there the breaker trips again and continues to attempt to reset. Each channel of the circuit breaker operates completely independent of the other channel, or any additional breakers. Thus a short in one section of the railroad will not effect operation in any other section. Any number of dual channel circuit breakers may be used to divide the railroad up into the desired number of circuits. The trip current of each channel of the breaker may be set to any value depending on the expected maximum load of that circuit.

Max. Current at Resistor R_A/R_B Value		
Amps (+/- 10%)	Ohms (Ω)	Color Code
1	Open	No Res.
2	4700	yel/vio/red
2.4	3300	org/org/red
2.7	2700	red/vio/red
3.1	2200	red/red/red
3.6	1800	brn/gry/red
4.5	1500	brn/grn/red
4.9	1200	brn/red/red
5.7	1000	brn/blk/red



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