

**RADIO CONTROL SYSTEMS - SIDE BY SIDE COMPARISON**

	<b>Realroad</b>	<b>RCS</b>	<b>Aristo</b>
<b>Model Number</b>	Velvet Touch	EMP-103	75 Mhz Train Engineer
<b>Dimensions</b>			
Transmitter			
Transmitter Dimensions	6 1/2" x 6 1/2" x 3"	3 3/4" x 2 1/4" x 7/8"	6 1/2" x 2 1/2" x 1"
Antenna Length	34"	N/A	40"
Receiver			
Receiver Dimensions	1 1/2" x 1" x 1 7/8"	2 x 1 3/8" x 1/2"	N/A
Motor Control			
Motor Control Dimensions	3" x 1 1/2" x 5/8"	2" x 3" x 7/8"	2 1/4" x 1 5/16" x 1 1/4"
Accessory Card			
Accessory Card Dimensions	N/A	N/A	2 3/4" x 1 1/16" x 1/2"
<b>Connections</b>	Screw down	Screw down	Bare Wires
<b>Connections Labeled?</b>	Yes	Yes	No
<b>Sealed PC Boards</b>	Yes	No	No
<b>RF Chokes Included</b>	No	Yes	No
<b>Capacitors Included</b>	No	Yes	No
<b>No. trains controlled w/one transmitter</b>	1	1	10

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<b># Accessory Controls</b>	3	3	5
Momentary	2	Programable	2
Latch On/Off	1	Programable	3
<b>Headlight Controls</b>	No	Yes	Yes
<b>Momentum Adjustable</b>	No	Yes	Yes
# Steps	Proportionate	3	6
<b>Reversing Delay</b>	Yes	Yes	Yes
<b>Kadee Delay</b>	No	Yes	No
<b>Automatic Operation Option</b>	No	Yes	No
<b>Programable Function Keys</b>	No	Yes	No
<b>Emergency Stop</b>	No	Yes	Yes
<b>Operational Indicator</b>	No	Hum (sound)	Indicator Light
<b>Transmitter Power</b>	AA (X8)	9V (X1)	AA (X4)
<b>Frequency</b>	75 Mhz	27 Mhz	75 Mhz
<b>Opto-Isolator Needed for Sierra Sound Card</b>	No	Yes	Yes
<b>Voltage Range</b>	8-24V	7.2-24V	12-24V
<b>Operating Amps (Continuous)</b>	4	3	3
<b>Max Amps</b>	8	5	5
<b>Fuse Included</b>	Yes 5A	Yes 5A	No - 3A recommended
<b>Max Range</b>	125 feet	90 feet	30 feet
<b>Cost</b>			
Transmitter/Receiver	\$210	\$325	\$213
Access Controller	Incl.	Incl.	\$45
Comparative Cost	\$210	\$325	\$258
<b>Installation Accessories Available</b>	No	Yes	No