



Product Features:

- Independent control of two HVAC units.
- Compatible with Road Commander 1106 Touchscreen and Generator Control module.
- Compatible with SMART phones and tablets via Road Commander Wireless Communication interface.
- Uses standard external HVAC unit power interface.
- Supports Heat, Cool, and two speed fan and automatic modes for heating and cooling
- Heating may be reverse cycle or direct electric. (Direct electric requires external relay)
- Additional modules may be added to network to control any number of HVAC units.
- Any HVAC unit may be “slaved” to first unit of first module.
- Support Heating, Cooling, and Automatic modes.
- Automatic control of fan speed.
- Four heating and cooling set-points automatically adjust temperature throughout the day.
- “Hold Temperature” feature overrides set back functions.
- Various parameters may be configured by installer.
- Fan Off Delay allows fan to run after compressor turns off to improve HVAC efficiency.
- Compressor short-cycle delay prevents damage to compressor.
- Safety mode operates circulation fan after interruption of power.
- Automatic detection of temperature sensor faults.
- On-board indicators show status of all inputs, outputs and network status.

Environmental Specifications:

Operating temp: -40/50 deg C (-40/122 deg F)

Storage temp: -40/125 deg C (-40/260 deg F)

Intrusion Rating: None

Agency approvals: None

<u>Electrical Specifications</u>	<u>Unit</u>	<u>Min</u>	<u>Typ</u>	<u>Max</u>
Operating supply voltage	V	10	12	20
Reverse supply voltage	V			-36
Quiescent Current Draw	mA			50
Control Current (Per Output)	A			5
Control circuit voltage	V		12	30



Temperature Set-point Range	deg C	10	32
	deg F	50	90
Temperature Display Range	deg C	0	37
	deg F	32	99

Temperature Sensor: Thermistor, 00-00569-000 or equivalent
 10K ohm at 25 deg C (77 deg F)
 19.9K ohm at 10 deg C (50 deg F)
 7.3K ohm at 32 deg C (90 deg F)

External HVAC Interface: Coleman 8330-752 "Analog Control Board"
 or equivalent

Mechanical Specifications

Housing: 5.0 x 3.5 x 1.5 in. / 127 x 89 x 38 mm

Harness: Pig-tail and/or terminator part numbers

Configuration adapter harness	11-01094-012
12-way wiring pigtail (J1)	11-01094-112
8-way wiring pigtail (J2/J3)	11-01105-008
Network terminator, 12-way	11-01105-212

Connectors: J1, 12-way Molex Mini-Fit Jr, Network Connections

1 Battery	7 Input 4 / Temp sense 2-
2 iCAN H	8 n/c
3 iCAN L	9 RS232 TX
4 Input 1 / Temp sense 1+	10 RS232 RX
5 Input 2 / Temp sense 1-	11 n/c
6 Input 3 / Temp sense 2+	12 DC Ground

J2, 8-way Molex Mini-Fit Jr, HVAC Unit #1

1 #1 Fan – Lo (GRN)	5 #1 Fan – Hi (GRN/YLW)
2 #1 Air Con (YLW)	6 #1 Control Common (BLK)
3 #1 Control Common (BLK)	7 #1 Control Common (BLK)
4 #1 Heat (WHT)	8 #1 Heat Common (WHT)

**J3, 8-way Molex Mini-Fit Jr, HVAC Unit #2**

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|---|-------------------|---|-------------------|
| 1 | #2 Fan – Lo | 5 | #2 Fan – Hi |
| 2 | #2 Air Con | 6 | #2 Control Common |
| 3 | #2 Control Common | 7 | #2 Control Common |
| 4 | #2 Heat | 8 | #2 Heat Common |

Available Product Literature and Guides:

Brochure:	53-01105-000
Product Specification:	53-01105-001
User's Guide:	53-01105-100
Installation and Applications:	53-01105-200
Supporting Documents:	53-01105-300

Available Accessory Items and Kits:

USB Program Adapter Kit:	10-01079-000
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