

Multi-point Switching

The **Intellitec RV Multiplex system** is a flexible, 160 channel, communications system designed primarily for the RV industry. The system utilizes low speed, noise immune communications across standard wire and connections. A “building block” approach allows a designer to use as much, or as little of the system as he requires for his specific application.

RV Multiplex Master

The heart of the system is the **Intellitec RV Multiplex Master**. The Master generates the 160 channel, 4 kilohertz, **Intellitec** proprietary signal for system communications. It also supplies the power for the back-lighting of the switch panels. There are diagnostic LED's on-board to help in trouble shooting any problems which may occur.

Latching Relay Output Module

The Latching Relay Output Module has 10 relay switched outputs. Each output communicates an indicator signal, back through the communications wire to the switch panels to indicate which state the output is in. There are five, fused 20 amp outputs and five, fused 10 amp outputs on each module. Each output has a diagnostic LED on board to help in any trouble shooting which may be necessary.



Solid State Latching Output Module

The Solid State Output Module has 10 solid-state high-side switched outputs, all rated for 10 amps each. This module also generates an indication signal back to the switch panels. All of the outputs are dim-able using pulse-width modulation. The dimming function operates by holding down the corresponding switch. When the switch is held down, the output will decrease and increase slowly until the desired level is reached and the switch is no longer pressed. A single press of the switch turns the output off. The next press of the switch will turn the output back on to the previous level the output was at, when it was turned off.

Programmable Switch Panel

The switch panels are all configurable, back-lit, and have status indication for each channel. The programming is a simple, “Windows” based system, with point and click programming to assign each switch a channel. This allows for very flexible, easy to change designs. The switch panels come in 10 and 6 channel configurations.

 **Intellitec**
1485 Jacobs Rd.
Deland, FL 32724
386.738.7307

P/N 53-00841-000 Rev. D 052506

Multi-point Switching

RV Multiplex Master

Part Number: 00-00837-000
Input Voltage Range: 9-16 volts DC
Standby Current: approximately 10 milliamps
Max Current Draw: 5 amps
Signal Frequency: 4Khz
Operating Environment: Out of direct weather



Latching Relay Output Module

Part Number: 00-00838-000
Input Voltage Range: 9-16 volts DC
Standby Current: approximately 8 milliamps
Output Rating: 5 outputs of 10 amps max
5 outputs of 20 amps max
100 amps max total
Operating Environment: Out of direct weather

Latching Solid State Output Module

Part Number: 00-00844-120
Input Voltage Range: 9-16 volts DC
Standby Current: approximately 8 milliamps
Output Rating: 10 amps max per output
Operating Environment: Out of direct weather

Configurable Switch Panel

Part Numbers:
Black 10 Button: 00-00869-010
Black 6 Button: 00-00869-006
White 10 Button: 00-00869-110
White 6 Button: 00-00869-106
Pumice 10 Button: 00-00869-210
Pumice 6 Button: 00-00869-206

Standby Current: approximately 8 milliamps
Operating Environment: Out of direct weather



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