

Message Module with Stop Request

The Intellitec **Message Module** works with Intellitec multiplex systems, or on a stand-alone basis. The module is intended for use in a variety of specialty vehicles with 12 and 24 volt DC power supplies. The module can produce as many as 8 verbal messages or other recorded sounds and provides a stop request function for buses.

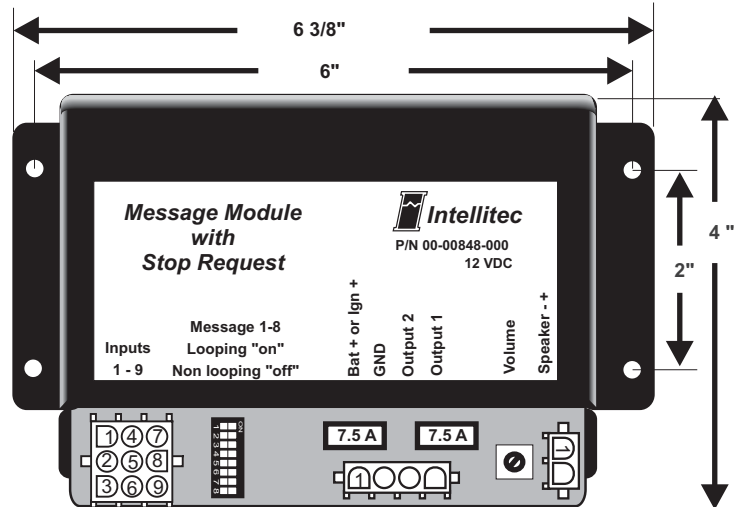
The purpose of the module is to provide an audible alert for the driver when important conditions on the vehicle require it. The module has 8 inputs that trigger 8 different recorded messages or sounds. These messages may be installed or modified by the vehicle manufacturer. Modules may be ordered with custom messages. Each recorded message or sound may be as much as 6 seconds long.

The module has an audio amplifier with volume control. An 8 ohm remote mounted speaker is required.

OUTPUT 1 AND 2 - 7.5 Amp fused outputs (may be used for a normal and handicap transit bus stop request)

When Input 1 or 2 is momentarily activated by a switch to ground, message 1 or 2 will play and both outputs 1 and 2 will latch on. These outputs will remain on until canceled by either a signal from the Mini Bus multiplex system, or a push button or limit switch connected between ground and input 9. The latch will cancel on the transition of the switch either from on to off or off to on.

Once outputs 1 and 2 are latched on, additional activations of inputs 1 or 2 will not cause their associated message to play again (see dip switch settings) and will have no effect on output 1.



12 Volt P/N 00-00848-000
24 Volt P/N 00-00848-500

Output 2 will flash for several seconds each time input 1 or 2 is activated. Output 2 is intended to operate a driver's panel light, but may be used for any load up to 7.5Amps.

When used with the Mini Bus Multiplex system a multiplexed signal is sent from the door module to the switch adapter to illuminate the door ajar light. Connecting a wire from the door ajar light output on the switch adapter to input 9 will cause outputs 1 and 2 to be unlatched each time the door opens or closes.

DIP SWITCH SETTINGS

The 8 position dip switch located next to the 9 pin Mate-N-Lok connector is used to define whether a message will play only once when the input is first activated or whether the message will continue to loop as long as the input is present.



Intellitec

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Dip Switch Settings (continued)

If the associated switch, 3-8 is in the "on" position the message will loop. If it is in the off position it will play only once when the input is first activated. In either case, once a message begins to play it will be completed regardless of the input.

Dip switch position 1 and 2 function in a slightly different manner. If the switch is in the on position, the message will play once each time the input is activated. If the switch is in the off position the message will play once when the input is activated and will not play again until outputs 1 and 2 are unlatched by an input at pin 9 and input 1 and 2 are activated again.

PROGRAMMING SOUNDS

You may program sounds into the module or you may order modules with custom messages.

To program a sound, open the module cover under which you will find a 4 position dip switch, a mini audio jack and a push button. Using the audio jack, make a connection to the "line out" connection on a computer sound card or other audio component. Use switches 1-3 on the dip switch to select the message number you would like to program.

CONNECTIONS:

9 Pin Mate N Lok - Amp P/N 1-480706-0
1-7 Low side (gnd) inputs messages 1-7
8 High side (+12V) input message 8
9 Stop request Cancel - edge detected

4 Pin Mate N Lok - Amp P/N 640586-1
1 Bat+ or Ign
2 Ground
3 Output 2
4 Output 1

Message	1	2	3	Program 4
1	OFF	OFF	OFF	ON
2	ON	OFF	OFF	ON
3	OFF	ON	OFF	ON
4	ON	ON	OFF	ON
5	OFF	OFF	ON	ON
6	ON	OFF	ON	ON
7	OFF	ON	ON	ON
8	ON	ON	ON	ON

Switch 4 is used to enable the programming function. This switch should be on during programming and off when you have completed programming.

To program, set the dip switch for the appropriate message, press and hold the pushbutton and begin the message play back from your audio device. When the message completes, release the pushbutton.

INPUT CONNECTIONS (9 pin, mate-n-lok)

Pin 1 through 7 - Activate with ground signal
Pin 8 - Activate with bat + signal
Pin 9 - Unlatches output 1 and 2 when the pin transitions it's connection from floating to ground or ground to floating. Pin 9 may be connected to the door ajar light output, pin 1 on the Mini Bus Switch adapter or any switch to ground.

2 Pin Mate N Lok- Amp P/N 1-480698-0
Pin 1 Speaker +
Pin 2 Speaker -

Amp Contacts:

For 14-18 AWG 350919-3
For 10-12 AWG 640310-3

Current draw 0.5Amps approximate



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