MiX | by POWERFLEET®

RIBAS™ PANEL
Product Overview

Overview

The RIBAS™ Panel provides information to assist drivers in improving driving styles, by alerting the driver to pre-configured vehicle or driver events. An LED Display Indicator provides the vehicle driver with real-time preconfigured event information in a visual and audible form to assist in improving the driving style of the driver.

Vehicle and Driver events are recorded within the FM Tracer / FM Communicator/MiX 4000 On-Board Computer (OBC) and communicated to DynaMiX for analysis reporting.

It uses five symbol indicators, namely:

Over Revving

Excessive Idle

Harsh Braking

Harsh Acceleration

Over Speeding

When an event is in danger of being exceeded, the corresponding LED symbol will illuminate amber. When a parameter has been exceeded, the symbol will illuminate red. Amber and red status lights are accompanied by a one-second "beep" tone (switch selectable On/Off) to alert the driver. Each LED is continuously illuminated for the duration of the event and then will flash for a period of 15 seconds after which the LED is turned off. While a driver is driving correctly according to pre-programmed operational parameters that are set up during the configuration process, the MiX Telematics logo will illuminate green (switch selectable On/Off).

The amber light is merely a warning light, giving drivers the opportunity to take corrective action no event is recorded at that time. If, however, the driver ignores the warning and exceeds the parameter, the light turns to red and the infringement is recorded as an event.

Part Numbers

Part ID	Description
B7275/01	RIBAS MK2 Tri-Colour 10-Way Assembly - UK Variant
B7275/03	RIBAS MK2 Tri-Colour 10-Way Assembly - STRAV Variant
B7275/04	RIBAS MK2 Tri-Colour 10-Way Assembly - STIB (RIBAC)

Limitations

Compatibility	The RIBAS™ Panel uses one of the available Serial Ports on the FM OBC and therefore other FM options requiring serial connectivity may not be compatible. Please check with your MiX Telematics representative.
	Warning events require the relevant Script to be loaded into the FM OBC.

Technical Specification

Physical

Dimensions	80mm x 62mm x 20mm
Case	Black 2 part ABS (recycled) enclosure Snap together parts with single Torx screw fixing
Weight	70grams - RIBAS™ Panel only 350grams - RIBAS™ Panel plus Cable
Mounting	Two slots in enclosure base to take pan-head no.8 self-tapping screws or M4 bolts
Cable Length	Optional Lengths: 2, 4 or 6 metres (Terminated with Molex Micro-Fit 10-way receptacle)

Power Supply

Voltage	7 to 32 VDC (can only be powered from MiX OBC)
Power	120mW (operational)
Protection	Reverse polarity Internal 1A fuse Automotive 24V load dump protection

Communication

Interface	**RS232** Full duplex serial data communications interface to FM OBC Electrical RS232, Speed 9600bps, Handshaking Hardware **RS485** Multi-drop interface for communication with Ticket Machines[1] 2-wire or 4-wire, simplex or half duplex operation, configurable. [1]Contact MiX Telematics Europe Ltd for more information
Driver Warning	Five LED indicators Over revving, Excessive Idle, Harsh Braking, Harsh Acceleration and Over Speeding Internal buzzer for audible warning of new event

Certification

EU	CE/European Union "Radio Equipment Directive" (RED)
UKCA	UK Conformity Assessed (It is marked on the packaging label as the product label is too small)
E11	EMC Vehicle EMC Directive Reg.10.06