EAGLE P178
WORLDWIDE FLEET MANAGEMENT

AUDIO MIXER

FAIL-SAFE AUDIO MIXER

The P178 Audio Mixer provides 3 Composite Outputs from up to 8 Input Signals. Channel 1 and Channel 2 Composite Outputs are Failsafe Relay Protected for Master Caution or Essential Tones to ensure that no fault in the system or an electrical bus failure can prevent pass through of Essential Warnings or Tones. Channels 3 through 8 are for non-essential tones and will drop off line in case of fault or Avionics Bus failure.

The P178 removes the need for external relays to ensure Essential Tones are passed to unswitched inputs on any audio system. The unit also has internal fault detection. Upon fault, the relays go to their normally closed (Failsafe) position. The unit also has a pull low line on fault if an external fault indicator is desired.

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Specifications

Number of Inputs	8 each Balanced @ 600 Ohm Impedance
Number of Outputs	3 each Composite @ 600 Ohm transformer coupled. Two are relay protected channels.
Input Gain Adjustment	-17dB to +10dB
Output Gain Adjustment	-6dB to +6dB
Output Signal	150mW into 600 Ohms nominal
Output Current Limit	20mA
Voltage (Start)	20 VDC
Voltage (Hold)	12 VDC
Voltage (Max)	32 VDC
Power	250 mA
Temperature	- 40 to 80C
Finish	Gold Iridite per MIL-C-5541 Class 1A
Weight	225 grams.
Size	7.7 W x 14.6 L x 2.7 H cms less protrusion of connector.

Certification

FAA/ PMA STC SR02445SE	AS350B, BA, B1, B2, C, D, D1. AS355E, F, F1, F2, N, NP. EC130B4, T2. EC-135P1, P2, P2+, T1, T2, T2+. Bell 206A, A-1, B, L, L-1, L-3, L-4. Bell 407.
FAA/ PMA STC SR02444SE	MBB-117 (EC145) A-1, A-3, A-4, B-1, B-2, C-1, C-2, D-2. Bell 212, 412, 412EP, 412CF, 204B, 205A-1, B, 214B, B-1, 214ST.
Canada STC SH-09-17	AS350B, BA, B1, B2, C, D, D1. AS355E, F, F1, F2, N. EC-135P1, P2, P2+, T1, T2, T2+. Bell 206A, A-1, B, L, L-1, L-3, L-4. Bell 407.
Canada STC SH-14-33	MBB-117 (EC145) A-1, A-3, A-4, B-1, B-2, C-1, C-2. Bell 212, 412, 412EP, 412CF, 204B, 205A-1, B, 214B, B-1, 214ST.
EASA STC 10036806	AS350B, BA, B1, B2, B3, C, D, D1. AS355E, F, F1, F2. Bell 407.
Brazil CHST 2007S06-30	AS350B, BA, B1, B2, C, D, D1. AS355E, F, F1, F2. EC130B4, T2. EC-135P1, P2, P2+, T1, T2, T2+. BO-105A, C, LS A-1, LS A-3, S. Bell 206A, A-1, B, L, L-1, L-3, L-4. Bell 407. MBB-117 (EC145) A-1, A-3, A-4, B-1, B-2, C-1, C-2, D-2. Bell 212, 412, 412EP, 412CF, 204B, 205A-1, B, 214B, B-1, 214ST.