



Department of Transport
Supplemental Type Certificate

This approval is issued to:

Electronics International Inc.
63296 Powell Butte Highway
Bend, Oregon
United States of America 97701

Number: SA18-34

Issue No.: 1

Approval Date: February 23, 2018

Issue Date: February 23, 2018

Responsible Office:

Prairie and Northern

Aircraft/Engine Type or Model:

See Fleet Eligibility List

Canadian Type Certificate or Equivalent:

See Fleet Eligibility List

Description of Type Design Change:

Installation of an Electronics International, Inc. CGR-30P Glass Panel Engine Monitor in accordance with FAA STC SA02283SE.

**Installation/Operating Data,
Required Equipment and Limitations:**

Installation:

Must be in accordance with FAA approved Electronics International Inc. Installation Instructions Document No.: II 02151301, Revision E, dated May 08, 2015, or later FAA approved revision.

Operation:

For those aircraft on SA18-34 Fleet Eligibility List, operation must be in accordance with the FAA approved Electronics International Inc. Aircraft Flight Manual Supplement as specified on the FAA Approved Model List (AML) SA02283SE, dated July 25, 2013, or later FAA approved revision.

Maintenance:

Must be in accordance with FAA accepted Electronics International Inc. Instructions for Continued Airworthiness Document No.: 06211301, Revision E, dated March 28, 2014, or later FAA accepted revision.

Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated **will not** adversely affect the airworthiness of the modified product.



R.A. Goossens
For Minister of Transport

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NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

Basis of Certification:

For those none affected areas, as defined in the aircraft's Type Certificate Data Sheet.

For those affected areas:

14 CFR Part	Amendment	14 CFR Part	Amendment
23.853	62	23.1165	62
23.1301	62	23.1309	62
23.1311	62	23.1321	49
23.1322	43	23.1331	62
23.1337	51	23.1351	49
23.1357	43	23.1365	49
23.1381	0	23.1431	62
23.1543	50	23.1549	45
23.1553	50	-----	---

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NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

SA18-34 FLEET ELIGIBILITY LIST		
AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE DATA SHEET
		TCCA/FAA
Aeromot	AMT-100, AMT-200	A-209/TG00004AT
Aeronca (National Aeronca Association)	C-3, PC-3	/A-396
Aeronca	7DC, S7CCM, S7DC, S7EC	/A-759
Aeronca	15AC, S15AC	/A-802
Aeronca	50L, 65-LA, 65-LB	/A-702
Aerostar (Piper)	600 (PA-60-600) 601 (PA-60-601) 601P (PA-60-601P) 602P (PA-60-602P) 700P (PA-60-700P)	/A17WE
Air Tractor	AT-300, AT-301	A-143/A9SW
Air Tractor	AT-401, AT-401B	A-143/A17SW
Allied AgCat Productions	G-164A, G-164B, G-164C	A-91/1A16
American Champion	8GCBC	A-116/A21CE
American Champion (Bellanca)	11AC, 11BC, S11AC, S11BC	/A-761
American Champion (Bellanca)	11CC, S11CC	/A-796
Avait Aviation Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C-200	A-165/A22NM
Aviat Aircraft Inc.	S-2C	A-252/A8SO
Beech (Beechcraft Corporation)	D17R	/638
Beech (Beechcraft Corporation)	SC17R	/ATC 604
Beech (Beechcraft Corporation)	D17S, SD17S	/A-649
Beech (Beechcraft Corporation)	E17B, E17L	/641
Beech (Beechcraft Corporation)	G17S	/779
Beech (Beechcraft Corporation, Hawker Beechcraft, Raytheon)	18A, S18A	/630
Beech (Beechcraft Corporation, Hawker Beechcraft, Raytheon)	18D, A18A, A18D, S18D, SA18A, SA18D	/A-684

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SA18-34 FLEET ELIGIBILITY LIST		
AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE DATA SHEET
		TCCA/FAA
Beech (Beechcraft Corporation)	C18S	/A-757
Beech (Beechcraft Corporation, Hawker Beechcraft)	19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	/A1CE
Beech (Beechcraft Corporation)	35-33, 35-A33, 35-B33, 35-C33, 35-C33A, E33, E33A, E33C, F33, F33A, F33C, G33, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC	/3A15
Beech (Beechcraft Corporation, Hawker Beechcraft, Raytheon)	35, A35, B35, C35, D35, E35, F35, G35, 35R	/A-777
Beech (Beechcraft Corporation, Hawker Beechcraft)	45, A45, D45	/5A3
Beech (Beechcraft Corporation, Hawker Beechcraft)	50, B50, C50, D50, D50A, D50B, D50C, D50E, D50E-5990, E50, F50, G50, H50, J50	/5A4
Beech (Beechcraft Corporation, Hawker Beechcraft)	58P, 58PA, 58TC, 58TCA	/A23CE
Beech (Beechcraft Corporation, Hawker Beechcraft)	60, A60, B60	/A12CE
Beech (Beechcraft Corporation, Hawker Beechcraft)	65, A65, A-65-8200, 65-80, 65-A80, 65-A80-8800, 65-B80, 65-88	/3A20
Beech (Beechcraft Corporation, Hawker Beechcraft)	76	/A29CE
Beech (Beechcraft Corporation,)	77	/A30CE
Beech (Beechcraft Corporation, Hawker Beechcraft)	B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B, 95-C55, 95-C55A, D55, D55A, E55, E55A, 56TC, A56TC, 58, 58A, 95, B95	/3A16
Beech (Beechcraft)	SC17R	/ATC 604
Bellanca (Aeronca, Champion)	7AC, 7ACA, 7BCM, 7CCM, 7EC, 7ECA, 7GC, 7GCAA, 7GCBC, 7JC, 7KCAB, S7CCM, 7DC, S7DC, S7EC, 7FC, FGCA, 7GCB, 7KC	/A-759

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SA18-34 FLEET ELIGIBILITY LIST		
AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE DATA SHEET
		TCCA/FAA
Bellanca	14-13, 14-13-2, 14-13-3	/A-773
Bellanca	14-19, 14-19-2, 14-19-3, 14-19-3A, 17-30, 17-31, 17-31TC	/1A3
Bellanca	17-30A, 17-31A, 17-31ATC	/A18CE
Boeing	75, A75, A75N1, B75, B75N1, D75N1, E75, E75N1, PT-17	/A-743
Britten Norman	BN-2, BN-2A, BN-2A-6, BN-2A-8, BN-2A-2, BN-2A-9, BN-2A-3, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27	A-92/A17EU
Callair	S-1B1	/A-754
Camair	480	/2A2
Cessna (Textron Aviation)	120, 140	/A-768
Cessna (Textron Aviation)	150, 150A, 150B, 150C, 150D, 150E, 150F, 150G, 150H, 150J, 150K, 150L, 150M, 152, A150K, A150L, A150M, A152	/3A19
Cessna (Textron Aviation)	170, 170A, 170B	/A-799
Cessna (Textron Aviation)	172R, 172S	A-199/3A12
Cessna (Textron Aviation)	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L, 172M, 172N, 172P, 172Q	/3A12
Cessna (Textron Aviation)	172RG, 175, 175A, 175B, 175C, P172D, R172E, R172F, R172G, R172H, R172J, R172K	/3A17
Cessna (Textron Aviation)	177, 177A, 177B	/A13CE
Cessna (Textron Aviation)	177RG	/A20CE
Cessna (Textron Aviation)	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K	/5A6
Cessna (Textron Aviation)	182S, 182T, T182T	A-204/3A13
Cessna (Textron Aviation)	182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, R182, T182, TR182	/3A13
Cessna (Textron Aviation)	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F	/3A24

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AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE DATA SHEET
		TCCA/FAA
Cessna (Textron Aviation)	A188B	A-115/ A9CE
Cessna (Textron Aviation)	188, 188A, 188B, A188, A188A, T188C	/ A9CE
Cessna (Textron Aviation)	190, 195, 195A, 195B	/ A-790
Cessna (Textron Aviation)	206H, T206H	A-212/ A4CE
Cessna (Textron Aviation)	206, P206, P206A, P206B, P206C, P206D, P206E, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G	/ A4CE
Cessna (Textron Aviation)	207, 207A, T207, T207A	/ A16CE
Cessna (Textron Aviation)	210, 210-5, 210-5A, 210A, 210B, 210C, 210D, 210E, 210F, 210G, 210H, 210J, 210K, 210L, 210M, 210N, 210R, P210N, P210R, T210F, T210G, T210H, T210J, T210K, T210L, T210M, T210N, T210R	/3A21
Cessna (Textron Aviation)	T303	/ A34CE
Cessna (Regal)	305A, 305C, 305D, 305F	/5A5
Cessna (Regal)	305B, 305E	/3A14
Cessna (Textron Aviation)	310, 310A, 310B, 310C, 310D, 310E, 310F, 310G, 310H, 310I, 310J, 310J-1, 310K, 310L, 310N, 310P, 310Q, 310R, E310H, E310J, T310P, T310Q, T310R	/3A10
Cessna (Textron Aviation)	320, 320-1, 320A, 320B, 320C, 320D, 320E, 320F, 335, 340, 340A	/3A25
Cessna (Textron Aviation)	321	/3A11
Cessna (Textron Aviation)	401, 401A, 401B, 402, 402A, 402B, 402C, 411, 411A, 414, 414A, 421, 421A, 421B, 421C	/ A7CE
Cessna (Textron Aviation)	404	/ A25CE
Cessna	LC40-550FG, LC41-550FG, LC42-550FG	A-225/ A00003SE
Champion (American Champion)	8KCAB	/ A21CE



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AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE DATA SHEET
		TCCA/FAA
Commander Aircraft Corporation (Aero Commander, CPAC Inc., Gulfstream Aerospace)	112, 112B, 112TC, 112TCA, 114, 114A	/ A12SO
Cirrus Design	SR20, SR22, SR22T	A-216/ A00009CH
Cub Aircraft	J3C-65, J3C-65S	/ A-691
Cub Crafters	CC18-180	A-253/ A00006SE
CPAC, Inc.	114B, 114TC	A-237/ A12SO
De Havilland	DH82A	A-2/ A8EU
De Havilland	D.H. 104 Dove Series 2A, D.H. Dove Series 6A, D.H. Dove Series 8A	A-28/ A-807
De Havilland	D.H. 114 Heron Series 2DA	A-29/ A-816
Diamond	DA20-A1, DA20-C1	A-191/ TA4CH
Diamond	DA 40, DA 40 F	A-224/ A47CE
Dornier	Do28A-1, Do28B-1	A-68/ 7A13
Dornier	Do28D	A-90/ A16EU
Dynac Aerospace (Aero Commander)	(Volaire) 10 100, 100A, 100-180	/ 1A21
ERCO (Univair)	415-C, 415-CD	/ A-718
ERCO (Univair)	415-D, E, G, F-1, F-1A, A-2, A2-A, M-10	/ A-787
Extra	EA 300, EA300/S, EA-300/L, EA300/200	A-192/ A67EU
Fairchild	24R46, 24R46A	/ A-706
Fairchild	24W-41A, 24W-46	/ A-707
Fairchild	M62A-3	/ A-724
Fairchild	24 C8C, 24 C8CS	/ A-535
Globe	GC-1A, GC-1B	/ A-766
Great Lakes (WACO)	2T-1A, 2T-1A-1, 2T-1A-2	/ A18EA
Grob	G 115, G 115A, G 115B, G 115C, G 115C2, G 115D, G 115D2	A-203/ A57EU
Grumman (SOCATA)	GA-7	/ A17SO
Gulfstream Aerospace (True Flight)	AA-1, AA-1A, AA-1B, AA-1C	/ A11EA
Gulfstream Aerospace	G-44, G-44A, SCAN Type 30	/ A-734
Hawker Beechcraft	G36	A-245/ 3A15
Hawker Beechcraft)	G58	A-259/ 3A16
Helio (Taylorcraft)	15 A, 20	/ 3A3
Helio	H-250, H-295, H-391, H-391B, H-395, H-395A, H-700, H-800, HT-295	/ 1A8



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AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE DATA SHEET
		TCCA/FAA
Helio	500	/A2EA
Howard	DGA-15P	/A-717
Interceptor (Propjet)	200, 200A, 200B, 200C, 200D	/3A18
Lavia S.A.	PA-25, PA-25-235, PA25-260	A-228/2A8
Luscombe	8, 8A, 8B, 8C, 8D, 8E, 8F, T8F	/A-694
Maule	M-4-180V, M-7-235A, M-7-235B, M-7-235C, M-7-260, M-7-260C, M-8-235, MT-7-235, MT-7-260, MX-7-160, MX-7-160C, MX-7-180A, MX-7-180AC, MX-7-180B, MX-7-180C, MXT-7-160, MXT-7-180, MXT-7-180A	A-200/3A23
Maule	M-4, M-4-180C, M-4-180S, M-4-180T, M-4-210, M-4-210C, M-4-210S, M-4-210T, M-4-220, M-4-220C, M-4-220S, M-4-220T, M-4C, M-4S, M-4T, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C, M-5-235C, M-6-180, M-6-235, M-7-235, MX-7-180, MX-7-235	/3A23
Mooney Aircraft Corp.	M18C, M18C55, M18L, M18LA, 11S	/A-803
Mooney Aircraft Corp.	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L	/2A3
Mooney Aircraft Corp.	M20M, M20R, M20S, M20TN	A-221/2A3
Mooney Aircraft Corp.	M22	/A6SW
Morane Saulnier (SOCATA)	MS880B, MS885, MS892E-150, MS893E, MS894E	A-58/7A14
Morrissey (Varga)	2150, 2150A, 2180	/4A19
North American (Boeing)	AT-6, AT-6C, AT-6D, SNJ-5, T-6G	/A-2-575
Navion	L-17A, Navion A, Navion B, Navion D, Navion E, Navion F, Navion G, Navion H	/A-782
Piaggio	P.136-L1	A-111/A-813
Pilatus	PC-6, PC-6-H1, PC-6-H2, PC-6/350, PC-6/350-H1, PC-6-350-H2	A-78/7A15
Piper	AE-1, HE-1, J5A, J5A-80, J5B, J5C	/A-725
Piper	J3F-50, J3F-50S, J3F-60, J3F-65	/A-692
Piper	J3L, J3L-65, J3L-S	/A-698
Piper	J4, J4A, J4A-S	/A-703
Piper	J4E	/A-740



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AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE DATA SHEET
		TCCA/FAA
Piper	J4F	/721
Piper	J3C-50, J3C-50S, J3C-65, 3C-65S, PA-11, PA-	/A-691
Piper	PA-12, PA-12S	/A-780
Piper	PA-14	/A-797
Piper	PA-15	/A-800
Piper	PA-16, PA-16S	/1A1
Piper	PA-17	/A-805
Piper	PA-18, PA-18S, PA-18-105 (Special), PA-18S-105 (Special), PA-18A, PA-18-125, PA-18S-125, PA-18-AS-125, PA-18-135, PA-18A-135, PA-18S-135, PA-18AS-135, PA-18-150, PA-18A-150, PA-18S-150, PA-18AS-150, PA-19, PA-19S	/1A2
Piper	PA-20, PA-20S, PA-20-115, PA-20S-115, PA20-135, PA-20S-135	/1A4
Piper	PA-22, PA-22-108, PA-22-135, PA-22S-135, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	/1A6
Piper	PA-23, PA-23-160, PA-23-235, PA-23-250, PA-E23-250	/1A10
Piper	PA-24, PA-24-250, PA-24-260, PA-24-400	/1A15
Piper	PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-161, PA-28-180, PA-28-181, PA-28-235, PA-28-236, PA-28R-180, PA-28R-200, PA-28R-201, PA-28R-201T, PA-28-201T, PA-28RT-201, PA-28RT-201T, PA-28S-160, PA-28S-180	/2A13
Piper	PA-30, PA-39, PA-40	/A1EA
Piper	PA-31, PA-31-300, PA-31-325, PA-31-350	/A20SO
Piper	PA-31P, PA-31P-350	/A8EA
Piper	PA-32-260, PA-32-300, PA-32S-300, PA-32R-300, PA-32RT-300, PA-32RT-300T, PA-32R-301 (SP), PA-32-301, PA-32-301T	/A3SO
Piper	PA-34-200, PA-34-200T, PA-34-220T	/A7SO
Piper	PA-36-285, PA-36-300, PA-36-375	A-118/A10SO
Piper	PA-38-112	/A18SO
Piper	PA-44-180, PA-44-180T	/A19SO
Piper	PA-46-310P, PA-46-350P	/A25SO
Piper	PA-46R-350T	A-222/A25SO
Pitts (Aviat Aircraft Inc.)	S-1S, S-1T, S-2, S-2A, S-2B, S-2S	/A8SO



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SA18-34 FLEET ELIGIBILITY LIST		
AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE DATA SHEET
		TCCA/FAA
Reims	F150F, F150G, F150H, F150J, F150K, F150L, F150M, F152, FA150K, FA150L, FA150M, FA152, FRA150L, FRA150M	A-230/ A13EU
Reims	F182P, F182Q, FR182	A-218/ A42EU
Republic	RC-3	/ A-769
Revo (Lake, Colonial)	250, C-1, C-2, LA-4, LA-4P, LA-4-200, LA-4A	/1A13
Rockwell	700	/ A12SW
Ryan	ST-3KR	/ A-749
Socata	TB 9, TB 10, TB 20, TB 21, TB200	A-153/ A51EU
Stinson	L-5, L-5E, L-5E-1, L-5G	/ A-764
Stinson	10A	/ A-738
Stinson	10, HW 75	/ A-709
Stinson	V-77	/ A-774
Stinson	108, 108-1, 108-2, 108-3, 108-5	/ A-767
STOL	UC-1	/ A6EA
Taylorcraft	DC65, DCO-65, L-2	/ A-746
Taylorcraft	A	/ A-643
Taylorcraft	BF12-65	/ A-699
Taylorcraft	BL12-65, BL-65	/ A-700
Taylorcraft	19, F19, F21, F21A, F21B	/1A9
Taylorcraft	BC-65, BC12-65, BC12-D, BCS12-D, BC12-D1, BC12D-85, BC12D-4-85	/ A-696
Thrush Aircraft	600 S-2D, S2-R, S2R-R1340, S2R-R1820	A-105/ A4SW
True Flight (Gulfstream Aerospace, American Aviation)	AA-5, AA-5A, AA-5B, AG-5B	/ A16EA
Twin Commander Aircraft LLC (Aero Commander, Twin Commander)	500, 500-A, 500-B, 500-U, 520, 560, 560-A, 560-E, 500-S	/6A1
Twin Commander Aircraft LLC (Aero Commander, Gulfstream Aerospace, Twin Commander)	560-F, 680, 680E, 720, 680FL, 680FL(P), 685	/2A4
Viking Air Ltd.	DHC-1B-2-S3, DHC-1B-2-S5	A-19/ A26NM
Viking Air Ltd.	DHC-2 Mk. I, DHC-2 Mk. II	A-22/ A-806

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AIRCRAFT MAKE	AIRCRAFT MODEL	TYPE CERTIFICATE DATA SHEET
		TCCA/FAA
Viking Air Ltd.	DHC-3	A-27/ A-815
Vulcanair S.P.A.	P.68C, P.68C-TC, P.68 "Observer", P.68 "Observer 2", P.68R	A-150/ A31EU
Weatherly	620B	A-187/ A26WE
Zenair	CH2000	A-185/TA5CH

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