

LAMAR ELECTRICAL COMPONENTS

LAMAR MC10 MASTER ELECTRICAL CONTROL UNIT



MC10

The Lamar MC10 is a master electrical control unit developed for 14V and 24V single engine experimental aircraft. It is designed to mount on the firewall or fuselage. It houses all the major electrical components except for the battery, starter, and alternator. The MC10 provides a greater degree of protection against moisture, dust and accidental electrical shorts along with the convenience of all the primary electrical components in one location. Features low installation cost, ease of installation and simplified troubleshooting and repair with several new performance & safety features.



PM Starter

The MC10 embodies the following functions:

- Master (battery) (solenoid) control closing the master switch on pilot's panel connects the battery to the primary bus.
- 3 aircraft bus outputs, protected via resettable circuit breakers.
- Alternator Control; voltage regulation, overvoltage protection, field output overload protection, alternator feeder fault protection
- Starter control (solenoid)
- Low voltage warning. (L model also includes overvoltage, over-current and reverse-current annunciation)
- Battery charge/ discharge ammeter drive (current shunt)
- Clock output (always-on) protected with easily accessible external mounted fuse.
- Ground power receptacle & control (solenoid) with reverse polarity protection.



XT60

Description	Part No.	Price
Lamar Master Controller only 14V Exper.	11-03295	.
Lamar Master Controller 28V Exper.	11-03298	.
Lamar XT2860 New Alternator 28	07-00839	.
Lamar Master Control 14V Exp. MC-10	11-03295	.
Lamar AC14-EXP 28V	11-05041	.
Lamar GC07-EXP Generator Control	11-05042	.
Lamar GC11-EXP Generator Control	11-05043	.
Lamar MC09-T1 Master Control Turbo	11-05055	.

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LAMAR #	DESCRIPTION	APPLICATIONS	OUR P/N	PRICE
A-00258-1	Switch, Alternator INOP	Piper: PA23 Series, PA30, PA39, PA38, PA28 Series, PA32 Series, PA34-200T, PA34-220T, Maule*, Raytheon:A36, V358, F338, F33, F33A, F33C, F33A, V35A, 36	07-01146	.
A-00258-2	Switch, Alternator INOP	Piper: PA23 Series, PA31 Series, PA34, PA31P, Twin Commander 700 Maule*, Raytheon: 57, E55, 5895B55, D55	07-01147	.
B-00266-2	Overvoltage Relay, 28V, Piper	Piper: PA23-235, PA23-250, PA31 Series, PA36 Series, Islander*: BN2A, BN2B, BN2T, BN2T-4, Trislander*: BN2A MK 11 Series	07-01148	.
B-00286-1	Regulator, 28V, Parallel OP (twin)	Piper: PA23-235, PA23-250, PA31, PA300, PA44-180/180T, PA31P, PA34-220T, Cessna*: 421, 414, 402, 340, 310	07-01449	.
B-00288-1	Regulator, 14V, Parallel OP (twin)	Piper: PA23-235, PA23-250, PA30, PA39, PA34-200T, PA34-220T, PA44-180, PA44-180T, Gulfstream Aero*	07-01150	.
B-00289-2	Overvoltage Relay, 14V	Piper: PA18, PA30, PA39, PA23-235, PA23-250, PA28 Series, PA32 Series, PA34-220, PA34-220T, Beech*: 19A, B19, M19A, 23, A23, A23A, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R, Bellanca*: 14-19, 19-2, 19-3, 19-3A, 17-30, 31, 31TC, 17-30A, 31A, 31ATC, Citabria*: 70CAA, 7ECA, 7GCBC, 7KCAB, 1GCBC, 1KCAB, Commander*: 112, B, TC, TCA, Cessna*: 175, 185, 188, Grumman*: AA-1, Lake*: LA-4, A, P, Maule*: M-5-180C, 235C, M-6-180, 235, M-7-235, MX-7-180, 235, Varga*: 2150A	07-01151	.
B-00306-3	Regulator, 28V, Parallel OP (twin)	Piper: PA60, PA60-601, PA60-601P, PA60-602P, PA60-700P	07-01153	.
B-00307-1	Voltage Regulator, 28V	Twin Commander 700, 500s	07-01454	.
B-00325-1	Timer, Pneumatic, 28V	Piper: PA23 Series, PA31 Series, PA31T Series	07-01455	.
B-00331-2	Voltage Regulator, Type 1, 14V	Piper: PA38	11-04130	.
B-00337-0	Overvoltage Relay, 28V	Twin Commander 690C, 695, 695A, 690D, 695B	07-01456	.
B-00337-1	Overvoltage Relay, 28V	Twin Commander 700	07-01157	.
B-00341-1	Time Delay Switch	Piper: PA31 Series, PA42-720	07-01158	.
B-00345-1	Thermostat Control	Piper: PA31T, T1	07-01159	.
B-00353-1	Timer Module, Surface De-ice	Piper: PA31 Series, PA31P, PA42-720, PA42-1000	07-01161	.
B-00363-1	Timer, Courtesy Light, Beech-28V	Raytheon: E55, 58, 58TC, 58P, 38P-1, 38P-2, 390	07-01162	.
B-00364-1	Timer Courtesy Light (15 min.)	Piper: PA42-720, PA42-1000, PA46-350, PA31T Series	07-01163	.
B-00364-2	Timer Courtesy Light (30 sec.)	Piper PA 31 Series, PA46-310, PA46-350	07-01164	.
B-00368-25	Alternator Control, 28V Load	Experimental	11-03164	.
B-00369-2	Timer (15 sec.)	Piper: PA31T3	07-01166	.
B-00371-1	Alternator Control, 14V	Piper: PA 28 Series, PA32 Series, PA38, Bellanca*: 80CB, 8KCAB, Maule*: M-5-180C, 235C, M-7-235, MT-7-235, M-8-235, MX-7-180, MXT-7-160, 180, 235, Aviat*: Pitts S-2B, S2S, Zenair*: Zenith 2000	07-01167	.
B-300371-25	Alternator Control, 14V	Experimental	11-03163	.
B-00372-1	Alternator Control, Load Balancing	Raytheon: 58, E55, 95B55	07-01168	.
B-00375-1	Monitor Low Voltage	Twin Commander 690C, 690D, 695, 695A	07-01169	.
B-00375-2	Monitor Low Voltage	Piper: PA31P, PA31T Series, PA34 Series, PA46-310, PA46-350, PA31 Series	07-01170	.
B-00378-4	Monitor Low Voltage, 14V	Experimental	11-03166	.
B-00378-5	Monitor Low Voltage, 28V	Experimental	11-03167	.
B-00380-2	Sensor-Alt Out, 28V Pulsed	Raytheon: 58	07-01171	.
B-00382-1	Alternator Control, 28V Load	Piper: PA31-350, PA34-220, PA46-310, PA46-350, PA31	07-01172	.
B-00387-1	Voltage Regulator with Overvoltage Protection, 28V	Raytheon: A36, F33A, B36TC, 58, V35B, F33C	07-01173	.
B-00392-1	Alternator Control, 14V, Piper	Piper: PA44-180, PA44-180T	07-01174	.
B-00393-1	Motor Control	Piper: PA46-310P, PA60-700P	07-01175	.
B-00396-2	Dimmer Assembly, 14V/28V	Experimental	11-03165	.
B-00403-1	Voltage Regulator with Overvoltage Protection, 14V	Raytheon: F33A, F33C, V35B, A36	07-01176	.

*ALL ITEMS ARE AVAILABLE THROUGH OEM ONLY.

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