

International Business Department
Control Products Headquarters
Advanced Automation Company

No. 04-A-0030E

Date: August 19, 2004
To: Those listed
Issued by: CC Chang – International Business Department
Subject: Modutrol Motors Obsolescence
Purpose: To announce the obsolescence of all Modtrol motors.

Summary: All Modutrol motors that our CP Headquarters are supplying will be obsoleted by the end of June 2005. Therefore, replace positively the Modutrol motors of users with this **ECM3000** (**MY3000** for air conditioning market) at their inquiry about Modutrol motors.

Background: The **ECM3000** was released for sale in April 2004 as a superior upgraded model of the Modutrol motors.

Required Actions:

- (1) Replace the Modutrol motors of users with the **ECM3000** at their inquiry about Modutrol motors.
- (2) Announce the obsolescence of Modutrol motors to the users.
- (3) Place an order for the spare units of the following models by the obsolescence date of the end of September 2004:

M604F1007 M604F1015 M631C129 M631C133

Note: The **ECM3000** does not cover the following specifications of Modutrol motors:

Item	Modutrol motor	ECM3000
Torque	17Nm (M6284, M7284, M9184)	12.5Nm
Output shaft	2 shafts (POWER END/AUX END)	1 shaft
Forced open/close function	Available	None

Obsolescence schedule and replacement models:

Modutrol motor		Obsolescence date			Replacement model	
		End of Sep 2004	End of Dec 2004	End of Jun 2004		
1	M604F1007	●			ECM3000D1110 (100Vac) ECM3000D2110 (200Vac)	
2	M604F1015	●			ECM3000D1100 (100Vac) ECM3000D2100 (200Vac)	
3	M631C129	●			ECM3000F0310	
4	M631C133	●			ECM3000D0110	
5	M904H1009		●		ECM3000F1110 (100Vac) ECM3000F2110 (200Vac)	
6	M904H1017		●		ECM3000F1100 (100Vac) ECM3000F2100 (200Vac)	
7	M931A1306			●	ECM3000E0100 (90°) ECM3000E0200 (160°)	
8	M931A-SPC866			●	ECM3000E0100 (90°) ECM3000E0200 (160°)	
9	M931D01S1			●	ECM3000E0110	
10	M931E1005		●		Use ECM3000E0110 (24Vac)	
11	M931E1013		●		Use ECM3000E0110 (24Vac)	
12	M931F101			●	ECM3000F0110	
13	M931F105			●	ECM3000F0110	
14	M931F129			●	ECM3000F0310	
15	M931F133			●	ECM3000F0110	
16	M931F137			●	ECM3000F0110	
17	MN111A		●		ECM3000F0200 + 83165271-004 (without auxiliary potentiometer)	
18	MN111B		●		ECM3000E0110	
19	MN111D		●		ECM3000F0110	
20	MN111E		●		ECM3000F0110	
21	MN111F100		●		ECM3000D0110	
22	MN111G		●		ECM3000F0110	
23	MN111H		●		ECM3000F1110 (100Vac) ECM3000F2110 (200Vac)	
24	M6284A1030			●	ECM3000F0200	
25	M6284C1028			●	ECM3000F0110	
26	M6284F1039			●	ECM3000F0110 (90°) ECM3000F0200 (160°) + 83165271-004	
27	M7284C1059			●	ECM3000G0110	
28	M7284C1067			●	ECM3000G0200 + 83165271-004	
29	M7284Q1033			●	ECM3000G0110	
30	M7284Q1041			●	ECM3000G0200 + 83165271-004	
31	M9184F1026		●		ECM3000E0200 + 83165271-004	
BSC products					For industrial market	For air conditioning market
32	M604C1166	●			ECM3000D0200	MY3000D0200
33	M904E1382	●			ECM3000E0200	MY3000E0200
34	M904E1390	Continue to be supplied				
35	M904F1076	●			ECM3000F0200	MY3000F0200
36	M904F1084	●			ECM3000F0100	MY3000F0100
37	M904F1092	Continue to be supplied				
38	M904F1100	●			ECM3000F0400	MY3000F0400