

Control Products International Business Department  
Product Business Headquarters  
Advanced Automation Company

No. 05-A-0040E

**Date:** June 25, 2005  
**To:** Those listed  
**Issued by:** I. Yuminaga, Control Products International Business Department  
**Subject:** Modutrol Motors Obsolescence  
**Purpose:** To announce the obsolescence of all Modutrol motors  
**Background:** All Modutrol motors that AAC Product Business Headquarters supplies will be obsoleted on June 30, 2005 as announced in Bulletin 04-A-0030E.

**Required actions:**

- (1) Place a final order for Modutrol motors by June 30, 2005 if required.
- (2) Suggest **ECM3000** series control motors as a replacement. Refer to Bulletin 04-A-0030E for a cross-reference.
- (3) Contact CP-IBD for support of difficult replacement cases such as those shown in "Precautions for replacement" on pages 2 to 3.

**Obsoleted models:**

All Modutrol motors supplied by AAC Product Business Headquarters

- (1) Yamatake products

**M931A1306, M931A-SPC866, M931D01S1,  
M931F101, M931F105, M931F129, M931F133, M931F137**  
(Already obsoleted: **M604F, M631C, M904H, M931E, MN111**)

**M604C** and **M904E/F** (BSC products) were already obsoleted in September 2004. (Refer to Bulletin 04-A-0022E.)

- (2) Honeywell products

**M6284A1030, M6284C1028, M6284F1039,  
M7284C1059, M7284C1067, M7284Q1033, M7284Q1041**  
(Already obsoleted: **M9184F1026**)

**Obsolescence date:**

June 30, 2005

**Replacement models:**

**ECM3000** series

**Maintenance/repair service:**

## (1) Yamatake products

## Scope:

Potentiometer and wiper failure (not available for units whose components are extremely worn out)

## Period:

Until June 2010

## (2) Honeywell products

Not available, because components cannot be purchased

**Precautions for replacement:**

For the following replacement cases, instrumentation needs to be changed.

## (1) When forced open/close operation is used (for M7284 angular stroke 90° models)

## Models:

**M7284C1059, M7284Q1033**

(This function is rarely used for 160° models.)

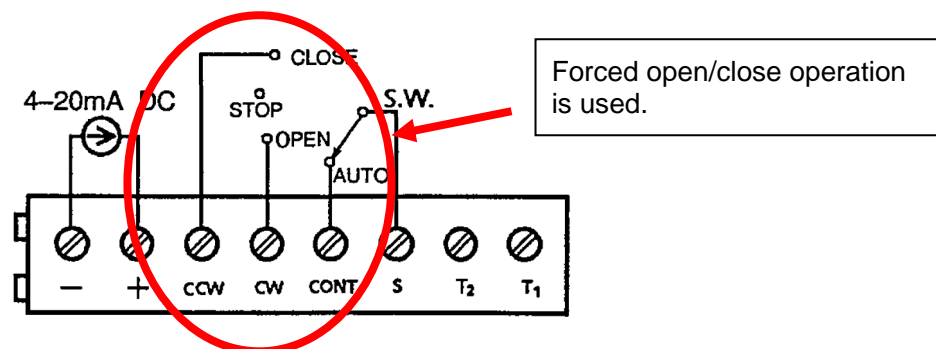
## Wiring:

**M7284** terminals "CCW," "CW," and "CONT" are wired to enable the forced open/close operation.

## Tentative measures:

4-20mA dc signal ON/OFF, **SDC**-side countermeasures, etc.

We are reviewing the **ECM3000**'s support of forced open/close operation. Contact CP-IBD if this function is required.



- (2) When both ends (POWER END/AUX END) of the output shaft are used

**Models:**

All Modutrol motor models

**Mounting:**

- Crank arms are mounted on both the POWER END and AUX END.
- Q181A auxiliary potentiometer is mounted on the AUX END.

**Measures:**

Mechanical change (for example, mounting two crank arms on the POWER END), complete instrumentation change

