6.12 ALARM 3n0 (REQUEST FOR REFERENCE POSITION RETURN)

Absolute position data in the serial pulse coder was lost.
(This alarm will be generated when serial pulse coder is exchanged or position feedback signal cable of the serial pulse coder is disconnected).

Remedies

Machine position must be memorized using the following method:

- **When reference position return function is present**

  (1) Execute manual reference position return only for an axis for which this alarm was generated.When manual reference position return cannot be executed because of an another alarm, change parameter 0021 and release the alarm and perform manual operation.

  (2) Press RESET key at the end of reference position return to release the alarm.

- **When reference position return function is not present**

  Execute dogless reference position setting to memorize the reference position.

- **When serial pulse coder is changed**

  Since the reference position is different from the former one, change the grid shift value (PRM No.508 to 511, 641, 642, 7508, 7509) to correct the position.

Related parameters

		#7	#6	#5	#4	#3	#2	#1	#0
PRM	0021			APC8	APC7	APC4	APCZ	APCY	APCX

#0(APCX)
#1(APCY)
#2(APCZ)
#3(APC4)
#4(APC7)
#5(APC8) Detector of absolute pulse coder per axis is :

0 : Used
1 : Not used

System configuration

		#7	#6	#5	#4	#3	#2	#1	#0
PRM	0022			ABS8	ABS7	ABS4	ABSZ	ABSY	ABSX

#0(ABSX)
#1(ABSY)
#2(ABSZ)
#3(ABS4)
#4(ABS7)
#5(ABS8) Reference position of absolute pulse coder per axis is :

0 : Established
1 : Not established