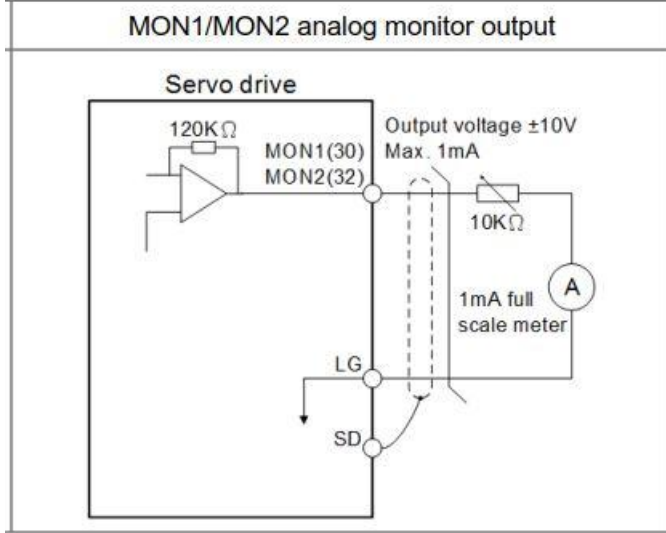


SDE Analog Çıkış Ayarları Nasıl Yapılır?

CN1 konnektörü üzerinde iki adet $\pm 10V$ çıkış alınabilecek pinler bulunmaktadır. Bunlar MON1 ve MON2 dir

Bağlantı:



MON1 ve **MON2**'nin hangi durumda çıkış vereceği **PC14** parametresinden ayarlanır.

6.9.2. Analog monitor output

There are 2 analog monitor channels provided for users to check the required signals. The contents and settings of monitor output are described in the table below.

Name	Abbr.	Sign	Setting range	Description
Analog monitor output	MOD	PC14	0000h ~0909h	<p>There are 2 monitor outputs, ch1 and ch2.</p> <p><input type="checkbox"/> 0 ch2 <input type="checkbox"/> 0 ch1</p> <p>The setting values and their corresponding output are listed below.</p> <p>0: Motor speed (scale: $\pm 10V / (\text{double rated speed})$)</p> <p>1: Generated torque (scale: $\pm 10V / \text{max.torque}$)</p> <p>2: Speed command (scale: $\pm 10V / (\text{double rated speed})$)</p> <p>3: Effective load ratio (scale: $\pm 10V / \pm 300\%$)</p> <p>4: Pulse command frequency (scale: $\pm 10V / 500\text{kpps}$)</p> <p>5: Current command (scale: $\pm 10V / \text{max.current command}$)</p> <p>6: DC Bus voltage (scale: $\pm 10V / 400V$)</p> <p>7: Pulse command error (scale: $\pm 10V / 4194304 \text{ pulse}$)</p> <p>8: Pulse command error (scale: $\pm 10V / 10000 \text{ pulse}$)</p> <p>9: Pulse command error (scale: $\pm 10V / 100 \text{ pulse}$)</p>

Example:

If the PC14 is set as 0000h and the current speed of motor is forward rotation 3000 rpm, a +5V signal would be measured on CN1-30 and LG. On the other hand, a -5V signal would be detected if the speed

Fabrika ayarında **PC14** parametresi **0100**'dir. Yani **MON1 Motor hızına MON2 ise Tork'a** göre çıkış verir.

Name	Abbr.	Sign	Setting range	Description	Unit	Initial value
Analog monitor ch1 output proportion	MOG1	PC30	0 ~100	Set the output proportion of analog monitor ch1.	%	100
Analog monitor ch2 output proportion	MOG2	PC31	0 ~100	Set the output proportion of analog monitor ch2.	%	100

If the current rotation speed is +3000 rpm and monitor scale is $\pm 10V$ / (double rated speed), the analog output should be +5V if MOG1 or MOG2 is set as initial value (100%). So, the analog monitor output voltage by MON should be +10V in case of 50% setting value applied.

The equation is:

$$\text{Monitor output} = \text{monitoring value} \times \langle \text{monitor scale} \rangle \div \text{MOG}$$

3000 d/dk'da 10V çıkış vermesi istenir (750W ve Altı için) ise MON1 için **PC30: 50** MON2 için ise **PC31: 50** ayarlanmalıdır.

Yön negatife döndüğünde çıkışlardaki 10V'da negatife döner.