Application Note

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SERVOSTAR™ 600 Multidrive – Communication via RS 232

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Function - Discription

The data communication for controlling several servo drives is built to the first amplifier via RS 232 and to all additional one via CAN bus. Necessary conditions are the same CAN –bus baud rate and different addresses for each drive.

Settings

<u>Command ADDR</u> sets the servo amplifier address

<u>Command CBAUD sets the</u> CAN – bus baud rate

<u>Command COLDSTART</u> causes a drive reset and activates the new configurations

The parameter ADDR and CBAUD are activated after a drive reset only.

<u>Command SCAN</u> determine the quantity and addresses of the connected drives via CAN - bus.

<u>Command SAVE</u> saves the settings into the EEPROM

<u>Example :</u> Communication with 3 SERVOSTAR™ 600.

The baud rates and addresses are set via RS 232 :

ASCII - Commands:

CBAUD 500

ADDR 5   {5 = 1. SR 600 , 7 = 2.SR600, 8 =3. SR 600}

SAVE

COLDSTART

The data transmission to all the drives are made: To the first drive (address 5) via RS 232 and all additional ones via CAN-Bus. (Y- Cable e.g. SR6Y or SR6Y6 see price list)

ASCII - Commands

SCAN	{scans the via CAN bus connected drives	}
2 7 8	{ CAN-Communication to 2 drives with the addresses 7 and 8	}
\ 7	{ select drive with address 7	}
\	{ inquiry, which drive is connected to the PC	}
Drive answer 7	{ drive 7 is selected	}
\ 0	{ select drive 1, in this case the „Servo - Master" with	}
	{original – address 5	}