

Configuration of driver for the connection with Control Training for PLC

The IP address for communication with the S7 PLC is set to 192.168.0.1 as standard

Assignment binary signals:

Signalname	Description	Range	Type	for S7	Flag	Type	Address in driver
K_Heater	Switches on heater of cold room		binary	Out	50	Bit	M50.0
K_Cooler	Switches on cooler of cold room		binary	Out	50	Bit	M50.1
F-VentilAuf	Valve control direction open		binary	Out	50	Bit	M50.2
F_VentilZu	Valve control direction close		binary	Out	50	Bit	M50.3
T_Hand	Manual control room temperature		binary	In	51	Bit	M51.2
M_Hand	Manual control engine		binary	In	51	Bit	M51.3
D_Hand	Manual control flow rate		binary	In	51	Bit	M51.4
F_Hand	Manual control level		binary	In	51	Bit	M51.5
K_Hand	Manual control cold room		binary	In	51	Bit	M51.6

Assignment analogue signals:

Signalname	Description	Range	Type	for S7	Flag	Type	Address in driver
T_Ist	Room temperature	-35 - 35	analogue	In	0	Word	MW0.I16
T_Aussen	Outside temperature	-35 - 35	analogue	In	2	Word	MW2.I16
T_Fenster	Window opening	0 - 100	analogue	In	4	Word	MW4.U16
M_Ist	Actual rotational speed	0 - 6	analogue	In	6	Word	MW6.U16
M_Last	Total load engine/generator	0 - 100	analogue	In	8	Word	MW8.U16
D_Ist	Actual flow	0 - 10	analogue	In	10	Word	MW10.U16
D_LDruck	pipeline pressure	1 - 4	analogue	In	12	Word	MW12.U16
F_Ist	Actual level	0 - 250	analogue	In	14	Word	MW14.U16
F_Zulauf	inflow	0 - 100	analogue	In	16	Word	MW16.U16
K_Ist	actual temperature cold room	0 - 15	analogue	In	18	Word	MW18.U16
K_Zuluft	Supply air temperature cold room	-30 - 30	analogue	In	20	Word	MW20.I16
T_Soll	Setpoint temperature	-35 - 35	analogue	In	22	Word	MW22.I16
M_Soll	Setpoint rotational speed	0 - 6	analogue	In	24	Word	MW24.U16
D_Soll	Setpoint flow rate	0 - 10	analogue	In	26	Word	MW26.U16
F_Soll	Setpoint level	0 - 250	analogue	In	28	Word	MW28.U16
K_Soll	Setpoint cold room temperature	0 - 15	analogue	In	30	Word	MW30.U16
T_Y	Actuator heater	0 - 100	analogue	Out	40	Word	MW40.U16
M_Y	Actuator engine	0 - 10	analogue	Out	42	Word	MW42.U16
D_Y	Actuator flow rate	0 - 100	analogue	Out	44	Word	MW44.U16
F_Y	Actuator level	0 - 100	analogue	Out	46	Word	MW46.U16