

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	Adress in driver
K_Heater	Switches on heater of cold room		binary	Out	100	Bit	M100.0
K_Cooler	Switches on cooler of cold room		binary	Out	100	Bit	M100.1
F-VentilAuf	Valve control direction open		binary	Out	100	Bit	M100.2
F_VentilZu	Valve control direction close		binary	Out	100	Bit	M100.3
T_Hand	Manual control room temperature		binary	In	101	Bit	M101.2
M_Hand	Manual control engine		binary	In	101	Bit	M101.3
D_Hand	Manual control flow rate		binary	In	101	Bit	M101.4
F_Hand	Manual control level		binary	In	101	Bit	M101.5
K_Hand	Manual control cold room		binary	In	101	Bit	M101.6

Assignment analogue signals:

Signalname	Description	Range	Type	for S7	Flag	Type	Adress in driver
T_Ist	Room temperature	-35 - 35	analogue	In	20	DWord	MD20.IEEE
T_Aussen	Outside temperature	-35 - 35	analogue	In	24	DWord	MD24.IEEE
T_Fenster	Window opening	0 - 100	analogue	In	28	DWord	MD28.IEEE
M_Ist	Actual rotational speed	0 - 6	analogue	In	32	DWord	MD32.IEEE
M_Last	Total load engine/generator	0 - 100	analogue	In	36	DWord	MD36.IEEE
D_Ist	Actual flow	0 - 10	analogue	In	40	DWord	MD40.IEEE
D_LDruk	pipeline pressure	1 - 4	analogue	In	44	DWord	MD44.IEEE
F_Ist	Actual level	0 - 250	analogue	In	48	DWord	MD48.IEEE
F_Zulauf	inflow	0 - 100	analogue	In	52	DWord	MD52.IEEE
K_Ist	actual temperature cold room	0 - 15	analogue	In	56	DWord	MD56.IEEE
K_Zuluft	Supply air temperature cold room	-30 - 30	analogue	In	60	DWord	MD60.IEEE
T_Soll	Setpoint temperature	-35 - 35	analogue	In	64	DWord	MD64.IEEE
M_Soll	Setpoint rotational speed	0 - 6	analogue	In	68	DWord	MD68.IEEE
D_Soll	Setpoint flow rate	0 - 10	analogue	In	72	DWord	MD72.IEEE
F_Soll	Setpoint level	0 - 250	analogue	In	76	DWord	MD76.IEEE
K_Soll	Setpoint cold room temperature	0 - 15	analogue	In	80	DWord	MD80.IEEE
T_Y	Actuator heater	0 - 100	analogue	Out	84	DWord	MD84.IEEE
M_Y	Actuator engine	0 - 10	analogue	Out	88	DWord	MD88.IEEE
D_Y	Actuator flow rate	0 - 100	analogue	Out	92	DWord	MD92.IEEE
F_Y	Actuator level	0 - 100	analogue	Out	96	DWord	MD96.IEEE