

5. ATTACHMENT

P8 TR IP - Mapping of variables

Type of object	Register name	Address	Type	R/W	Description
Application setup	ID	88	Long	R	Specific ID of device used for identification in POSEIDON network
	Variant	90	Word	R	Variant of uploaded application. 0 , 1 - Standard variant
	Version	92	Word	R	Version of uploaded application
	Visible	94	Word	R/W	Setting of visibility mode 1 ... Permanently visible 2 ... Invisible 3 ... Temporarily visible
	ModBus_adres	96	Word	R/W	Device address in ModBus network (factory pre-set address: 1)
	Zamek_1	98	Word	R	11 - operating mode 22 - configuring (radio communication blocked - operating modes)
P8R8_Relay configuration registers	P8R8_1_config	100	Long	R	configuration of the P8R8_Relay_1 object B3 : CH_num (number of receiver channels) B0-B2 : Device ID
	P8R8_2_config	102	Long	R	configuration of the P8R8_Relay_2 object B3 : CH_num (number of receiver channels) B0-B2 : Device ID

	P8R8_40_config	178	Long	R	configuration of the P8R8_Relay_40 object B3 : CH_num (number of receiver channels) B0-B2 : Device ID
P8R8_Relay operating registers	P8R8_1_error	1000	Word	R	1 ... ERR_COMMAND_MISMATCH - unexpected type of command in response 2 ... ERR_DEVICE_MISMATCH - at INI - type of receiver does not match type of object 3 ... ERR_OUTPUT_MISMATCH - status of output does not match required status 4 ... ERR_DEVICE_NO_RESPONSE - no response 5 ... ERR_CHANNEL_MISMATCH - unexpected channel number in response
	P8R8_1_output_state	1001	Word	R/W	statuses of output channels 1-CH_num of the P8R8_Relay_1 object are interpreted as a bit mask b0 - status of channel no. 1 (0-off, 1-on) ... b7 - status of channel no. 8 (0-off, 1-on)
	P8R8_1_1	1000	Coil	R/W	bit access to status of output no. 1
	P8R8_1_2	1001	Coil	R/W	bit access to status of output no. 2
	P8R8_1_3	1002	Coil	R/W	bit access to status of output no. 3
	P8R8_1_4	1003	Coil	R/W	bit access to status of output no. 4
	P8R8_1_5	1004	Coil	R/W	bit access to status of output no. 5
	P8R8_1_6	1005	Coil	R/W	bit access to status of output no. 6
	P8R8_1_7	1006	Coil	R/W	bit access to status of output no. 7
	P8R8_1_8	1007	Coil	R/W	bit access to status of output no. 8
	P8R8_2_error	1002	Word	R	1 ... ERR_COMMAND_MISMATCH - unexpected type of command in response 2 ... ERR_DEVICE_MISMATCH - at INI - type of receiver does not match type of object 3 ... ERR_OUTPUT_MISMATCH - status of output does not match required status 4 ... ERR_DEVICE_NO_RESPONSE - no response 5 ... ERR_CHANNEL_MISMATCH - unexpected channel number in response
	P8R8_2_output_state	1003	Word	R/W	statuses of output channels 1-CH_num of the P8R8_Relay_2 object are interpreted as a bit mask b0 - status of channel no. 1 (0-off, 1-on)

					b1 - status of channel no. 2 (0-off, 1-on) b2 - status of channel no. 3 (0-off, 1-on) b3 - status of channel no. 4 (0-off, 1-on) b4 - status of channel no. 5 (0-off, 1-on) b5 - status of channel no. 6 (0-off, 1-on) b6 - status of channel no. 7 (0-off, 1-on) b7 - status of channel no. 8 (0-off, 1-on)
P8R8_2_1	1008	Coil	R/W	bit access to status of output no. 1	
P8R8_2_2	1009	Coil	R/W	bit access to status of output no. 2	
P8R8_2_3	1010	Coil	R/W	bit access to status of output no. 3	
P8R8_2_4	1011	Coil	R/W	bit access to status of output no. 4	
P8R8_2_5	1012	Coil	R/W	bit access to status of output no. 5	
P8R8_2_6	1013	Coil	R/W	bit access to status of output no. 6	
P8R8_2_7	1014	Coil	R/W	bit access to status of output no. 7	
P8R8_2_8	1015	Coil	R/W	bit access to status of output no. 8	
...	
P8R8_40_error	1078	Word	R	1 ... ERR_COMMAND_MISMATCH - unexpected type of command in response 2 ... ERR_DEVICE_MISMATCH - at INI - type of receiver does not match type of object 3 ... ERR_OUTPUT_MISMATCH - status of output does not match required status 4 ... ERR_DEVICE_NO_RESPONSE - no response 5 ... ERR_CHANNEL_MISMATCH - unexpected channel number in response	
P8R8_40_output_state	1079	Word	R/W	statuses of output channels 1-CH_num of the P8R8_Relay_40 object are interpreted as a bit mask b0 - status of channel no. 1 (0-off, 1-on) b1 - status of channel no. 2 (0-off, 1-on) b2 - status of channel no. 3 (0-off, 1-on) b3 - status of channel no. 4 (0-off, 1-on) b4 - status of channel no. 5 (0-off, 1-on) b5 - status of channel no. 6 (0-off, 1-on) b6 - status of channel no. 7 (0-off, 1-on) b7 - status of channel no. 8 (0-off, 1-on)	
P8R8_40_1	1312	Coil	R/W	bit access to status of output no. 1	
P8R8_40_2	1313	Coil	R/W	bit access to status of output no. 2	
P8R8_40_3	1314	Coil	R/W	bit access to status of output no. 3	
P8R8_40_4	1315	Coil	R/W	bit access to status of output no. 4	
P8R8_40_5	1316	Coil	R/W	bit access to status of output no. 5	
P8R8_40_6	1317	Coil	R/W	bit access to status of output no. 6	
P8R8_40_7	1318	Coil	R/W	bit access to status of output no. 7	
P8R8_40_8	1319	Coil	R/W	bit access to status of output no. 8	
P8R_Roll configuration registers	P8Roll_1_config	200	Long	R	configuration of the P8R_Roll_1 object B3: CH_num (number of receiver channels) B0-B2: Device ID
	P8Roll_2_config	202	Long	R	configuration of the P8Roll_2 object B3: CH_num (number of receiver channels) B0-B2: Device ID

	P8Roll_40_config	278	Long	R	configuration of the P8Roll_40 object B3: CH_num (number of receiver channels) B0-B2: Device ID
P8R_Roll operating registers	P8Roll_1_error	2000	Word	R	1 ... ERR_COMMAND_MISMATCH - unexpected type of command in response 2 ... ERR_DEVICE_MISMATCH - at INI - type of receiver does not match type of object 3 ... ERR_OUTPUT_MISMATCH - status of output does not match required status

					4 ... ERR_DEVICE_NO_RESPONSE - no response 5 ... ERR_CHANNEL_MISMATCH - unexpected channel number in response
P8Roll_1_1_out_state	2001	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_1_2_out_state	2002	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_1_3_out_state	2003	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_1_4_out_state	2004	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_2_error	2005	Word	R	1 ... ERR_COMMAND_MISMATCH - unexpected type of command in response 2 ... ERR_DEVICE_MISMATCH - at INI - type of receiver does not match type of object 3 ... ERR_OUTPUT_MISMATCH - status of output does not match required status 4 ... ERR_DEVICE_NO_RESPONSE - no response 5 ... ERR_CHANNEL_MISMATCH - unexpected channel number in response	
P8Roll_2_1_out_state	2006	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_2_2_out_state	2007	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_2_3_out_state	2008	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_2_4_out_state	2009	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
...	
P8Roll_25_error	2120	Word	R	1 ... ERR_COMMAND_MISMATCH - unexpected type of command in response 2 ... ERR_DEVICE_MISMATCH - at INI - type of receiver does not match type of object 3 ... ERR_OUTPUT_MISMATCH - status of output does not match required status 4 ... ERR_DEVICE_NO_RESPONSE - no response 5 ... ERR_CHANNEL_MISMATCH - unexpected channel number in response	
P8Roll_25_1_out_state	2121	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_25_2_out_state	2122	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_25_3_out_state	2123	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	
P8Roll_25_4_out_state	2124	Word	R/W	MSB: jalouse position in % (range of 0-100% corresponds to values of 0-200) LSB: jalouse slats slant in % (range of 0-100% corresponds to values of 0-200)	

					values of 0-200)
P8R_Dimm configuration registers	P8Dimm_1_config	300	Long	R	configuration of the P8Dimm_1 object B3: CH_num (number of receiver channels) B0-B2: Device ID
	P8Dimm_2_config	302	Long	R	configuration of the P8Dimm_2 object B3: CH_num (number of receiver channels) B0-B2: Device ID

	P8Dimm_40_config	378	Long	R	configuration of the P8Dimm_40 object B3: CH_num (number of receiver channels) B0-B2: Device ID
P8R_Dimm operating registers	P8Dimm_1_error	3000	Word	R	1 ... ERR_COMMAND_MISMATCH - unexpected type of command in response 2 ... ERR_DEVICE_MISMATCH - at INI - type of receiver does not match type of object 3 ... ERR_OUTPUT_MISMATCH - status of output does not match required status 4 ... ERR_DEVICE_NO_RESPONSE - no response 5 ... ERR_CHANNEL_MISMATCH - unexpected channel number in response
	P8Dimm_1_1_out_state	3001	Word	R/W	output level of channel no. 1 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_1_2_out_state	3002	Word	R/W	output level of channel no. 2 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_1_3_out_state	3003	Word	R/W	output level of channel no. 3 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_1_4_out_state	3004	Word	R/W	output level of channel no. 4 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_1_C_state	3005	Word	R	b0 - b3 channel 1 state, b4 - b7 channel 2 state, b8 - b11 channel 3 state, b12 - b15 channel 4 state
	P8Dimm_2_error	3006	Word	R	1 ... ERR_COMMAND_MISMATCH - unexpected type of command in response 2 ... ERR_DEVICE_MISMATCH - at INI - type of receiver does not match type of object 3 ... ERR_OUTPUT_MISMATCH - status of output does not match required status 4 ... ERR_DEVICE_NO_RESPONSE - no response 5 ... ERR_CHANNEL_MISMATCH - unexpected channel number in response
	P8Dimm_2_1_out_state	3007	Word	R/W	output level of channel no. 1 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_2_2_out_state	3008	Word	R/W	output level of channel no. 2 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_2_3_out_state	3009	Word	R/W	output level of channel no. 3 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_2_4_out_state	3010	Word	R/W	output level of channel no. 4 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_2_C_state	3011	Word	R	b0 - b3 channel 1 state, b4 - b7 channel 2 state, b8 - b11 channel 3 state, b12 - b15 channel 4 state

	P8Dimm_40_error	3234	Word	R	1 ... ERR_COMMAND_MISMATCH - unexpected type of command in response 2 ... ERR_DEVICE_MISMATCH - at INI - type of receiver does not match type of object 3 ... ERR_OUTPUT_MISMATCH - status of output does not match required status 4 ... ERR_DEVICE_NO_RESPONSE - no response 5 ... ERR_CHANNEL_MISMATCH - unexpected channel number in response
	P8Dimm_40_1_out_state	3235	Word	R/W	output level of channel no. 1 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_40_2_out_state	3236	Word	R/W	output level of channel no. 2 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_40_3_out_state	3237	Word	R/W	output level of channel no. 3 in % (range of 0-100% corresponds to values of 0-200)
	P8Dimm_40_4_out_state	3238	Word	R/W	output level of channel no. 4 in % (range of 0-100% corresponds to values of 0-200)

	P8Dimm_40_C_state	3239	Word	R	b0 - b3 channel 1 state, b4 - b7 channel 2 state, b8 - b11 channel 3 state, b12 - b15 channel 4 state
P8T.Btn configuration registers	P8T.Btn_1_config	400	Long	R	configuration of the P8T.Btn_1 object B3: - B0-B2: Device ID
	P8T.Btn_1_ext_config	402	Long	R	CODE - for receipt of the BS CODE message type
	P8T.Btn_2_config	404	Long	R	configuration of the P8T.Btn_2 object B3: - B0-B2: Device ID
	P8T.Btn_2_ext_config	406	Long	R	CODE - for receipt of the BS CODE message type

	P8T.Btn_25_config	496	Long	R	configuration of the P8T.Btn_40 object B3: - B0-B2: Device ID
	P8T.Btn_25_ext_config	498	Long	R	CODE - for receipt of the BS CODE message type
P8T.Btn operating registers	P8T.Btn_1_error	4000	Word	R	1 - indication of low battery
	P8T.Btn_1_btn_mask	4001	Word	R	mask of pressed buttons ON1 - 0x08h; OFF1 - 0x04h; ON2 - 0x02h; OFF2 - 0x01h
	P8T.Btn_2_error	4002	Word	R	1 - indication of low battery
	P8T.Btn_2_btn_mask	4003	Word	R	mask of pressed buttons ON1 - 0x08h; OFF1 - 0x04h; ON2 - 0x02h; OFF2 - 0x01h

	P8T.Btn_25_error	4048	Word	R	1 - indication of low battery
	P8T.Btn_25_btn_mask	4049	Word	R	mask of pressed buttons ON1 - 0x08h; OFF1 - 0x04h; ON2 - 0x02h; OFF2 - 0x01h
P8T.C configuration registers	P8T.C_1_config	500	Long	R	configuration of the P8T.C_1 object B3: - B0-B2: Device ID
	P8T.C_1_ext_config	502	Long	R	CODE - for receipt of the CS CODE message type
	P8T.C_2_config	504	Long	R	configuration of the P8T.C_2 object B3: - B0-B2: Device ID
	P8T.C_2_ext_config	506	Long		CODE - for receipt of the CS CODE message type

	P8T.C_25_config	596	Long	R	configuration of the P8T.C_40 object B3: - B0-B2: Device ID
	P8T.C_25_ext_config	598	Long	R	CODE - for receipt of the CS CODE message type
P8T.C operating registers	P8T.C_1_error	5000	Word	R	b0 - error b1 - disconnected
	P8T.C_1_contact_state	5001	Word	R	contact status
	P8T.C_1_C_state	5002	Word	R	complete status of device
	P8T.C_2_error	5003	Word	R	b0 - error b1 - disconnected
	P8T.C_2_contact_state	5004	Word	R	contact status
	P8T.C_2_C_state	5005	Word	R	complete status of device

	P8T.C_25_error	5072	Word	R	b0 - error b1 - disconnected
	P8T.C_25_contact_state	5073	Word	R	contact status (0 - off/open,)
	P8T.C_25_C_state	5074	Word	R	complete status of device
P8T.P configuration registers	P8T.P_1_config	600	Long	R	configuration of the P8T.P_1 object B3: - B0-B2: Device ID
	P8T.P_1_ext_config	602	Long	R	CODE - for receipt of the P0 CODE message type
	P8T.P_2_config	604	Long	R	configuration of the P8T.P_2 object B3: -

					B0-B2: Device ID
P8T_P_2_ext_config	606	Long	R	CODE - for receipt of the P0 CODE message type	
...	
P8T_P_25_config	696	Long	R	configuration of the P8T_P_40 object B3: - B0-B2: Device ID	
P8T_P_25_ext_config	698	Long	R	CODE - for receipt of the P0 CODE message type	
P8T_P operating registers	P8T_P_1_error	6000	Word	R	b0 - error b1 - disconnected
	P8T_P_1_value	6001	Word	R	MSB : value of the 1st channel in % (range of 0-100% corresponds to values of 0-200) LSB : value of the 2nd channel in % (range of 0-100% corresponds to values of 0-200)
	P8T_P_1_C_state	6002	Word	R	C_STATE: state of regulator (bit 0 - 3) 8 ... regulation to normal level 2 ... regulation to low level 5 ... regulation is off 15 ... DIMMER mode
	P8T_P_2_error	6003	Word	R	b0 - error b1 - disconnected
	P8T_P_2_value	6004	Word	R	MSB : value of the 1st channel in % (range of 0-100% corresponds to values of 0-200) LSB : value of the 2nd channel in % (range of 0-100% corresponds to values of 0-200)
	P8T_P_2_C_state	6005	Word	R	C_STATE: state of regulator (bit 0 - 3) 8 ... regulation to normal level 2 ... regulation to low level 5 ... regulation is off 15 ... DIMMER mode

	P8T_P_25_error	6072	Word	R	b0 - error b1 - disconnected
	P8T_P_25_value	6073	Word	R	MSB : value of the 1st channel in % (range of 0-100% corresponds to values of 0-200) LSB : value of the 2nd channel in % (range of 0-100% corresponds to values of 0-200)
	P8T_P_25_C_state	6074	Word	R	C_STATE: state of regulator (bit 0 - 3) 8 ... regulation to normal level 2 ... regulation to low level 5 ... regulation is off 15 ... DIMMER mode
P8T_AV configuration registers	P8T_AV_1_config	700	Long	R	configuration of the P8T_AV_1 object B3: AV_type (type of analogue variable - °C, %,...) B0-B2: Device ID
	P8T_AV_2_config	702	Long	R	configuration of the P8T_AV_2 object B3: AV_type (type of analogue variable - °C, %,...) B0-B2: Device ID

	P8T_AV_40_config	778	Long	R	configuration of the P8T_AV_40 object B3: AV_type (type of analogue variable - °C, %,...) B0-B2: Device ID
P8T_AV operating registers	P8T_AV_1_error	7000	Word	R	b0 - error b1 - disconnected
	P8T_AV_1_reserved	7001	Word	R	reserved
	P8T_AV_1_value	7002	Float	R	4-byte AV value
	P8T_AV_2_error	7004	Word	R	b0 - error b1 - disconnected
	P8T_AV_2_reserved	7005	Word	R	reserved
	P8T_AV_2_value	7006	Float	R	4-byte AV value

	P8T_AV_40_error	7156	Word	R	b0 - error b1 - disconnected
	P8T_AV_40_reserved	7157	Word	R	reserved
	P8T_AV_40_value	7158	Float	R	4-byte AV value
P8E_KBD	P8EKBD_1_Button_mask	8000	Word	W	mask of virtual button with index 0 b0-b3 mask of buttons: ON1 - 0x08h; OFF1 - 0x04h; ON2 - 0x02h; OFF2 - 0x01h b4: flag INI (for transmission of INI message)
	P8EKBD_2_Button_mask	8001	Word	W	mask of virtual button with index 1 b0-b3 mask of buttons: ON1 - 0x08h; OFF1 - 0x04h; ON2 - 0x02h; OFF2 - 0x01h b4: flag INI (for transmission of INI message)

	P8EKBD_20_Button_mask	8019	Word	W	mask of virtual button with index 19 b0-b3 mask of buttons: ON1 - 0x08h; OFF1 - 0x04h; ON2 - 0x02h; OFF2 - 0x01h b4: flag INI (for transmission of INI message)
P8E_Percent	P8EPerc_1_value	9000	Word	W	transmitted % values with index 0 MSB: value of the 1st channel in % (range of 0-100% corresponds to values of 0-200) LSB: value of the 2nd channel in % (range of 0-100% corresponds to values of 0-200)
	P8EPerc_1_transmit	9001	Word	W	b0: enter 1 to transmit the set % values b1: flag INI (for transmission of INI message) b8 – b11: value C_STATE – additional transmitter state (general 4-bit value), is sent together with % values
	P8EPerc_2_value	9002	Word	W	transmitted % values with index 1 MSB: value of the 1st channel in % (range of 0-100% corresponds to values of 0-200) LSB: value of the 2nd channel in % (range of 0-100% corresponds to values of 0-200)
	P8EPerc_2_transmit	9003	Word		b0: enter 1 to transmit the set % values b1: flag INI (for transmission of INI message) b8 – b11: value C_STATE – additional transmitter state (general 4-bit value), is sent together with % values

	P8EPerc_20_value	9038	Word	W	transmitted % values with index 19 MSB: value of the 1st channel in % (range of 0-100% corresponds to values of 0-200) LSB: value of the 2nd channel in % (range of 0-100% corresponds to values of 0-200)
	P8EPerc_20_transmit	9039	Word	W	b0: enter 1 to transmit the set % values b1: flag INI (for transmission of INI message) b8 – b11: value C_STATE – additional transmitter state (general 4-bit value), is sent together with % values