

# 24 KOSTAL

## Overview

Kostal protocol is used to communicate with Kostal devices over serial communication.

## Configuration

### Kostal parameters for *Device* tab

Parameter	Type	Description	Required	Default value (when not specified)	Range	
					Min	Max
name	string	User-friendly device name	Yes			
description	string	Description of a device	No			
device_alias	string	Alphanumeric string to identify a device	Yes			
enable	boolean	Enabling/disabling of a device	No	1	0	1
protocol	string	Protocol to be used.	Yes		kostal	
id	integer	Kostal device id	Yes			
device		Communication port	Yes		PORT1	PORT2
baudrate	integer	Communication speed, bauds/s	No	9600	300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	
databits	integer	Data bit count for communication	No	8	6	9
stopbits	integer	Stop bit count for communication	No	1	1	2
parity	string	Communication parity option	No	none	none, even, odd	
scan_rate_ms	integer	Delay before closing serial port in milliseconds	No	10000		
poll_delay_ms	integer	Minimum time delay in milliseconds to wait before sending any data on port.	No	200		
timeout_ms	integer	Timeout of waiting for incoming request in milliseconds	Yes		0	60000

### Kostal parameters for *Signals* tab

Parameter	Type	Description	Required	Default value (when not specified)	Range	
signal_name	string	User-friendly signal name	Yes			

device_alias	string	Device alias from a Devices tab	Yes			
signal_alias	string	Unique alphanumeric name of the signal to be used	Yes			
enable	boolean	Enabling/disabling of an individual signal	No	1	0	1
log	integer	Enable logging in event log	No	0		
number_type	string	Type of a number (FLOAT, DOUBLE, DIGITAL, etc.)	Yes			
job_todo	string	Tag job as single or multiple comma separated OBIS codes	Yes			
tag_job_todo	string	Tag sub job	Yes			
pulse_short_time_ms	integer	Time interval for short output pulse to stay active	No			
pulse_long_time_ms	integer	Time interval for long output pulse to stay active	No			

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