

Addendum for Piccolo Range Controllers – Special No EU0990

Part Number HA032732

Modbus Address Changes

This addendum should be used in conjunction with the Piccolo Quick Start Guide HA031173EFG (English, French, German), HA031173ISC (Italian, Spanish, Chinese) and User Manual HA031260 which can be downloaded from www.eurotherm.co.uk.

This special version of the Piccolo controller provides a replacement for the 7EK TKS and 7SF LFS ERO controllers by implementing Modbus address changes as shown in the following table:-

7EK and 7SF ERO devices		P116, P108 and P104 Piccolo Replacement		
Modbus address decimal	Parameter name	Modbus address decimal		Parameter name
		Previous	Next	
123	Filtered Input Variable	1	123	PV Input Value
130	Out 1/Main Control output value	3	130	Manual Output Value (*)
			132	
138	Main SP	2	138	Target Setpoint
0	Input Variable w/o filter	1	0	PV Input Value
1	Main SP	2	1	Target Setpoint
2	Output 1/Main Control output value	3	2	Manual Output Value (*)
218	Local/Remote device status	Not included	218	(**)
10	Local/Remote device status	Not included	10	(**)

Notes:

(*) The Manual Output resolution is 0.1% - e.g. 50% returns a value of 500

(**) The standard Piccolo, Modbus Function codes 1, 2, 5 and 15 are not supported and return an error code. For the 7EK/7SF replacement this is modified to accept these Functions without returning an error.

Functions 1 and 2 (read) will return a value of 1 for all addresses.

Functions 5 and 15 (write) will echo back the message as required but will take no action.

A complete list of Modbus addresses is given in the Piccolo User Manual HA031260.

