

Modbus Mapping, RobotControl V14

Commonplace Robotics GmbH

Mapping Version

2

Type explanation

rising edge action will be executed on rising edge. Note: Some coils are overlaid with a readable state value, you are not able to read the last written value there.
bool action will be enabled on writing 1 and disabled on writing 0
string 2 characters per register, and marked by 0 byte unless all bytes are used
int32 / uint32 1st register contains lower bytes, 2nd contains upper byte

1 Bit coils

16 Bit input registers (read only)

16 Bit holding registers (read + write access)

Main data table with columns: Category, Address, Count, Access, Action Type, Description, Notes, Address, Count, Type, Precision, Description, Notes, Address, Count, Type, Precision, Description, Notes. Includes sections for I/O, Software Info, Statistics, Configuration Info, Error and State Info, Connection etc., Referencing, Position + Motion, Program, and Program selection.

a file name to load, see registers 267-332 (section "Program").	135	1	RW	rising edge	Unload robot program															
	136	1	RW	rising edge	Unload logic program															
Teach programming	140	1	RW	rising edge	Save program	not implemented														
	141	1	RW	rising edge	Remove last command (from main program)	not implemented														
	142	1	RW	rising edge	Add joint command (current position, Move To velocity)	not implemented														
	143	1	RW	rising edge	Add linear command (current position, Move To velocity)	not implemented														
Info message	400	431	32	string	Info/error message short (same as shown on teach pendant)	Up to 64 ASCII characters														
Program variables	440	455	16	int16	Readable number variables mb_num_r1 - mb_num_r16	1 register per variable, value is rounded to next integer	440	455	16	int16	Writable number variables mb_num_w1 - mb_num_w16	1 register per variable, value is rounded to next integer								
	456	711	256	int16	0.1 mm / 0.1°	Readable position variables mb_pos_r1 - mb_pos_r16	16 registers per variable: see enum conversion type	456	711	256	int16	0.1 mm / 0.1°	Writable position variables mb_pos_w1 - mb_pos_w16	16 registers per variable: see enum conversion type						

