

ECOM100 AS MODBUS TCP SERVER in Do-more

FC	Description	Modbus		Breakdown	PLC address / Description	
		Base	Offset			
01	Read Coils	00000	2049-5120	2049-3072	DLY0-1777	
				3073-5120	DLC0-3777	
02	Read Inputs	10000	2049-3072	2049-3072	DLX0-1777	
03	Read Holding Registers	40000	18001-18020	1-4096	DLV0-7777	
				18001-18020	ECOM100 Dynamic Module Data	
				(18001-18003)	Reserved	
				(18004)	Flags: Bit0 = 1 if reboot since bit was cleared	
				(18005-18006)	Reboot Count	
				(18007-18020)	Reserved	
04	Read Input Registers	30000	17501-17506	1-4096	DLV0-7777	
				17501-17506	ECOM100 Version Information	
				(17501)	OS major version	
				(17502)	OS minor version	
				(17503)	OS build version	
				(17504)	Booter major version	
				(17505)	Booter minor version	
				(17506)	Booter build version	
				17511-17600	17511-17600	ECOM100 Device Data
					(17511)	Version of device data
					(17512)	Family
					(17513)	Processor
					(17514)	Module type
					(17515)	Status code
					(17516-17518)	Ethernet address
					(17519)	RAM size
					(17520)	Flash size
					(17521)	Battery RAM size
					(17522)	DIP settings
					(17523)	Media type
					(17524-17525)	EPF count
					(17526)	Run relay state
					(17527)	Battery low
(17528)	Model number					
(17529)	Ethernet speed					
(17530-17600)	Reserved					
05	Force Single Coil	00000	2049-5120	2049-3072	DLY0-1777	
				3073-5120	DLC0-3777	
06	Preset Single Register	40000	18001-18020	1-4096	DLV0-7777	
				18001-18020	Dynamic Module Data	
				(18001-18003)	Reserved	
				(18004)	Flags: Bit0 = 1 if reboot since bit was cleared	
				(18005-18006)	Reboot Count	
				(18007-18020)	Reserved	
15	Force Multiple Coils	00000	2049-5120	2049-3072	DLY0-1777	
				3073-5120	DLC0-3777	
16	Preset Multiple Registers	40000	18001-18020	1-4096	DLV0-7777	
				18001-18020	Dynamic Module Data	
				(18001-18003)	Reserved	
				(18004)	Flags: Bit0 = 1 if reboot since bit was cleared	
				(18005-18006)	Reboot Count	
(18007-18020)	Reserved					

ECOM100 AS MODBUS TCP CLIENT in Do-more					
PLC Instruction	Type, Offset (octal)	Modbus		FC	Description
		Base	Offset		
DLRX	GY, 00-03777 (1)	00000	1-2048	01	Read Coils
	Y, 00-01777 (1)		2049-3072		
	C, 00-03777 (1)		3073-5120		
	S, 00-01777 (1)		5121-6144		
	T, 00-0377 (1)		6145-6400		
	CT, 00-0377 (1)		6401-6656		
	GX, 00-03777 (1)	10000	1-2048	02	Read Inputs
	X, 00-01777 (1)	2049-3072			
	SP, 00-0777 (1)	3073-3584			
	V, 00-041237	40000	1-17056	03	Read Holding Registers
V, 00-041237 (2)	30000	1-17056	04	Read Input Registers	
DLWX	GY, 00-03777 (1)	00000	1-2048	15	Force Multiple Coils
	Y, 00-01777 (1)		2049-3072		
	C, 00-03777 (1)		3073-5120		
	S, 00-01777 (1)		5121-6144		
	T, 00-0377 (1)		6145-6400		
	CT, 00-0377 (1)		6401-6656		
	V, 00-041237	40000	1-17056	16	Preset Multiple Registers

NOTES

- (1) Full range of bits available, but Offset must be entered on byte boundaries (e.g. 00, 010, 020... 03760, 03770)
- (2) To select FC04 Read Input Registers, use an odd byte length