

ECOM100 AS MODBUS TCP SERVER								
FC	Description	Modbus		Breakdown	PLC address / Description			
		Base	Offset					
01	Read Coils	00000	1-6656	1-2048	GY0-GY3777			
				2049-3072	Y0-Y1777			
				3073-5120	CR0-CR3777			
				5121-6144	S0-S1777			
				6145-6400	T0-T377			
				6401-6656	CT0-CT377			
02	Read Inputs	10000	1-3584	1-2048	GX0-GX3777			
				2049-3072	X0-X1777			
				3073-3584	SP0-SP777			
03	Read Holding Registers	40000	1-16976	1-16976	V0-V41117			
			16993-17008	16993-17008	V41140-V41157			
			17025-17056	17025-17056	V41200-V41237			
			18001-18020	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	1-16976	1-16976	V0-V41117			
			16993-17008	16993-17008	V41140-V41157			
			17025-17056	17025-17056	V41200-V41237			
			17501-17506	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	1-6656	1-2048	GY0-GY3777
							2049-3072	Y0-Y1777
3073-5120	CR0-CR3777							
5121-6144	S0-S1777							
6145-6400	T0-T377							
6401-6656	CT0-CT377							
06	Preset Single Register	40000	1-16976	1-16976	V0-V41117			
			16993-17008	16993-17008	V41140-V41157			
			17025-17056	17025-17056	V41200-V41237			
			18001-18020	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	1-6656	1-2048	GY0-GY3777			
				2049-3072	Y0-Y1777			
				3073-5120	CR0-CR3777			
				5121-6144	S0-S1777			
				6145-6400	T0-T377			
				6401-6656	CT0-CT377			
16	Preset Multiple Registers	40000	1-16976	1-16976	V0-V41117			
			16993-17008	16993-17008	V41140-V41157			
			17025-17056	17025-17056	V41200-V41237			
			18001-18020	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

PLC Instruction	Operand	Modbus		FC	Description
		Base	Offset		
RX	GY0-GY3777	00000	1-2048	01	Read Coils
	Y0-Y1777		2049-3072		
	C0-C3777		3073-5120		
	S0-S1777		5121-6144		
	T0-T377		6145-6400		
	CT0-CT377		6401-6656		
	GX0-GX3777	10000	1-2048	02	Read Inputs
	X0-X1777		2049-3072		
	SP0-SP777		3073-3584		
	V0-V41117	40000	1-16976	03	Read Holding Registers
	V41140-V41157		16993-17008		
	V41200-V41237		17025-17056		
	Z0-ZFFFF		1-65536		
	V0-V41117 (odd length)	30000	1-16976	04	Read Input Registers
V41140-V41157 (odd length)	16993-17008				
V41200-V41237 (odd length)	17025-17056				
Z0-ZFFFF (odd length)	1-65536				
WX	GY0-GY3777	00000	1-2048	15	Force Multiple Coils
	Y0-Y1777		2049-3072		
	C0-C3777		3073-5120		
	S0-S1777		5121-6144		
	T0-T377		6145-6400		
	CT0-CT377		6401-6656		
	GX0-GX3777	10000	1-2048	-	-
	X0-X1777		2049-3072		
	SP0-SP777		3073-3584		
	V0-V41117	40000	1-16976	16	Preset Multiple Registers
	V41140-V41157		16993-17008		
	V41200-V41237		17025-17056		
	Z0-ZFFFF		1-65536		
	V0-V41117 (odd length)	30000	1-16976	-	-
V41140-V41157 (odd length)	16993-17008				
V41200-V41237 (odd length)	17025-17056				
Z0-ZFFFF (odd length)	1-65536				