Flag	Function	Action
M1120	For retain the communication setting. After the first program scan is completed, the communication setting will be reset according to the setting in the special data register D1120. When the second program scan starts and RS instruction is being executed, the communication settings will all be reset according to the settings in D1120. If your communication protocol is fixed, you can set M1120 to On and the communication protocol will not be reset whenever RS/MODRD/MODWR/FWD/REV/STOP/RDST/RSTEF/MODRW instruction is executed. In this case, even the settings in D1120 are modified, the communication protocol will not be changed.	Set up and reset by the user.
M1121	Off when the RS-485 communication data is being transmitted.	By the system.
M1122	Sending request. When you need to send out or receive data by RS/MODRD/MODWR/FWD/REV/STOP/RDST/RSTEF/MODRW instructions, you have to set M1122 to On by a pulse instruction. When these instructions start to execute, PLC will start to send out or receive data. When the data transmission is completed, M1122 will be reset automatically.	Set up by the user; reset automatically by the system.
M1123	Receiving is completed. When the execution of RS/MODRD/MODWR/FWD/REV/STOP/RDST/RSTEF/MODRW instructions is completed, M1123 will be set to On. You can process the data received when M1123 is On in the program. You have to reset M1123 to Off when the process of received data is completed.	Set up automatically by the system; reset by the user.
M1124	Waiting for receiving. On when PLC is waiting for receiving data.	By the system.
M1125	Receiving status cleared. When M1125 = On, the waiting for receiving status of PLC will be cleared. You have to reset M1125 to Off after the staus is cleared.	Set up and reset by the user.
M1126	User/system defined STX/ETX selection of RS instruction (see the next table for details.)	
M1130	User/system defined STX/ETX selection of RS instruction (see the next table for details.)	
M1127	Data transmission is completed for communication instructions (RS instruction not included)	Set up automatically by the system; reset by the user.
M1128	Data being sent/received indication	By the systme.
M1129	Receiving time-out. If you already set up a communication time-out in D1129 and the data have not been received completey when the time-out set is reached, M1129 will be On. You have to reset M1129 to Off after the problem is solved.	Set up automatically by the system; reset by the user.
M1131	On when the data are converted into hex of MODRD/RDST/MODRW instructions when in ASCII mode; otherwise, M1131 is Off.	By the system
M1140	Data receiving error of MODRD/MODWR/MODRW instructions	
M1141	Parameter error of MODRD/MODWR/MODRW instructions	
M1142	Data receiving error of VFD-A handy commands	
M1143	ASCII/RTU mode selection (used with MODRD/MODWR/MODRW instructions). On = RTU; Off = ASCII	Set up and reset by the user.
M1161	8/16-bit mode selection. On = 8-bit; Off = 16-bit	

2. Special data register for the RS-485 communication of RS/MODRD/MODWR/FWD/REV/STOP/RDST/RSTEF /MODRW instructions

Special D	Function
D1038	For setting up the data responding delay time when a PLC MPU using RS-485 communication is used as a slave. Range: 0 ~ 10,000 (unit: 0.1ms)
D1050 ~ D1055	When MODRD/RDST instruction is executed, PLC will automatically convert the ASCII characters in D1070 ~ D1085 into hex and store the hex value in D1050 ~ D1055.
D1070 ~ D1085	When the RS-485 communication instructions built in PLC are executed, the receiving end will respond with a message and the messages will be stored in D1070 ~ D1085. You can check on the responded data stored in these registers (not applicable for RS instruction).
D1089 ~ D1099	When the RS-485 communication instructions built in PLC are executed, the data sent will be stored in D1089 ~ D1099. You can check on whether the data sent are correct by checking these registers (not applicable for RS instruction).
D1120	RS-485 communication protocol. See the next table for more details.
D1121	The communication address of PLC when it operates as a slave.
D1122	Remaining number of words of the data being sent
D1123	Remaining number of words of the data being received
D1124	Definition of the start word (STX). See the table above for more details.
D1125	Definition of the first end word (ETX1) of RS instruction. See the table above for more details.
D1126	Definition of the second end word (ETX2) of RS instruction. See the table above for more details.
D1129	Abnormal communication time-out (in ms). When D1129 = 0, there will be no time-out occurring. When D1129 > 0 and RS/MODRD/ MODWR/FWD/REV/STOP/RDST/RSTEF/MODRW instructions are being executed, if the first word has not been received within designated time or the time interval between any two words exceeds the value (>0) after PLC enters the receiving mode, PLC will automatically set M1129 to On. You can also use M1129 for handling the communication time-out. Please be noted that you have to reset M1129 after the time-out.
D1130	Error code sent back by Modbus
D1168	For RS instruction, when the received number of words = the low byte of D1168, the interruption I150 will be triggered.
D1169	For RS instruction, when the received data length = the low byte of D1169, the interruption I160 will be triggered. When D1169 = 0, I160 will not be triggered.
D1256 ~ D1295	When the RS-485 communication instruction MODRW built in PLC is executed, the data sent will be stored in D1256 ~ D1295. You can check on whether the data sent are correct by checking these registers.
D1296 ~ D1311	For MODRW instruction, PLC will automatically convert the ASCII characters into hex.