☆☆☆ Updating of FBE／FBN OS V3.70 12/5/2001

● Port1 & Port2 of PLC may support Modbus RTU(Slave) communication protocol：

R4047 : Upper Byte = 55h，configure the communication port for Modbus RTU protocol；

= The other values，Port1 & Port2 don't support Modbus RTU protocol。

Lower Byte : Port assignment for Modbus RTU protocol

Format as below :

Upper Byte	Lower Byte							
55	b7	b6	b5	b4	b3	b2	b1	b0

b0, Reserved ;
b1=1, Port 1of Modbus RTU protocol;
b2=1, Port 2 of Modbus RTU protocol;
b3=1, Port 3 of Modbus RTU protocol (Reserved);
•
•
•
b7=1, Port 7 of Modbus RTU protocol (Reserved);

※ It allows to assign multiple ports for Modbus RTU protocol，where the corresponding bit must be ON。

For example:
R4047=5502h, Assign Port 1 of Modbus RTU protocol;
R4047=5504h, Assign Port 2 of Modbus RTU protocol;
R4047=5506h, Assign both Port 1 & Port 2 of Modbus RTU protocol。

Refer to：Appendix-Modbus-Fatek，The rule for address mapping between Modbus & Fatek

● Support FUN32 (ADCNV)：Converting the raw value of the 4～20mA analog input into the range of 0～4095(12-bit)，where the input is connecting to the FB-6AD module。

Refer to：Appendix-FUN32-ADCNV for detailed description

● Support FUN150 (M-BUS)：The convenient instruction lets PLC act as the master of Modbus RTU communication protocol

Refer to：Appendix-FUN150-MBUS for detailed description

● Modify the Baud Rate settings of Port 2

Refer to：Appendix-Port2-Para for detailed description

● The temperature measurement & control may be assigned in Fahrenheit unit (Lower byte of R4009 =1)，not only the Centigrade unit (Lower byte of R4009 =0)。

Refer to User's Manual II -- Advanced, Chapter 20：Temperature measurement of FB-PLC and PID Control