

- Revise the FUN5 (DIFD, Differential Down) instruction.
- Revise the FUN141 (MPARA, Motion Parameter) instruction, the default value of limited speed setting (Parameter 4) is initialized by 460 KHz.

☆☆☆ Updating of FBs OS V4.09

10/27/2004

- Remove the data update bug of FUN150 (Let the Comm. port of the main unit work as the master of the Modbus RTU communication protocol) instruction while reading the slave's discrete status (Fun_code=01h).
- Remove the pulse output bug of FUN140 (High speed pulse output) instruction while the endless motion (The moving stroke setting value = 0, and the unit is in Ut) or successive speed changing control by using the external trigger (EXT) as the transfer condition to forward the next motion step.

☆☆☆ Updating of FBs OS V4.08

10/20/2004

- Support the installation detection for main unit On-Board intelligent module, for exa. FBs-CBE...
- Support FBs-2ARTD4/FBs-2ATC4 both analog and temperature input modules
- Provide linear conversion instruction FUN33(LCNV) for below applications:
 - Convert the raw reading value of the analog input into the engineering range for display or for proceeding control operation
 - Making the linear compensation for the temperature measurement, the measurement value from the PLC's temperature module can be corrected by the value from the standard temperature meter through this instruction
- Provide the write (FUN161,WR-DP) and read (FUN162,RD-DP) instructions for ROM PACK manipulation, where through these instructions, the ROM PACK can be worked as the portable Data Pack for machine working parameters's saving and loading
- Register R4135 provides the information of Hour & Minute from RTC

☆☆☆ Updating of FBs OS V4.07

7/23/2004

- Support RUN time On-Line program editing
- Support 30 seconds adjustment for Real Time Clock

☆☆☆ Updating of FBs OS V4.06

7/2/2004

- Support 12-bit or 14-bit resolution and number of average for analog inputs
- Support FUN84(TDSP) instruction for 7-segment / 16-segment display pattern conversion
- Support M2000=1, high speed pulse output(FUN140) can work
- Modify the OS firmware, the immediate stop of the high speed pulse output (FUN140) wouldn't have the delay
- FUN32(ADCNV) supports the 14-bit raw reading value conversion for the 4 ~20mA analog inputs
- FUN30(PID) instruction works on 14-bit calculation
- Support special PLC's protection

☆☆☆ Updating of FBs OS V4.05

4/10/2004

- Support the reading of FBs-6AD analog inputs, the resolution are 12-bit.
- Support the reading of FBs-TC2/6/16 and FBs-RTD6/16 temperature inputs, the resolution are 0.1 degree.
- Support the FUN86 PID temperature control.
- Support the FUN30 general purpose PID loop control.