

Errata

Listed below are corrections for the MECHATROLINK-II (SI-T3) Technical Manual (SIEP C730600 50A). Please correct your manual accordingly.

(1) MECHATROLINK-II Commands CONNECT:0EH(Connect) MECHATROLINK-II (VER=21H) (p.23)

(ERROR)

When the transmission cycle is equal to the communications time (COM_TIM = 1):

- 32-byte data transmission

$$1 \text{ [ms]} \leq \text{transmission cycle [ms]} \leq 8 \text{ [ms]}$$

If the transmission cycle is set to a fractional value, a warning (Data setting warning: A.94) is generated.

- 17-byte data transmission

$$0.5 \text{ [ms]} \leq \text{transmission cycle [ms]} \leq 8 \text{ [ms]}$$

If the transmission cycle is not set to a multiple of 0.5 ms, such as 0.75, a warning (Data setting warning: A.94) is generated.

When the transmission cycle is not equal to the communications time ($1 < \text{COM_TIM} \leq 32$):

$$2 \text{ [ms]} \leq \text{transmission cycle [ms]} \times \text{COM_TIM} \leq 100 \text{ [ms]}$$

If the transmission cycle is less than 2 ms and is set to a fractional value, a warning (Data setting warning: A.94) is generated. If the communications cycle is set to a fractional value, a warning (Data setting warning: A.94) is generated.

(CORRECTION)

When the transmission cycle is equal to the communications time (COM_TIM = 1):

- 32-byte data transmission

$$1 \text{ [ms]} \leq \text{transmission cycle [ms]} \leq 8 \text{ [ms]}$$

If the transmission cycle is set to a fractional value, a warning (Data setting warning: A.94) is generated.

- 17-byte data transmission

$$0.5 \text{ [ms]} \leq \text{transmission cycle [ms]} \leq 8 \text{ [ms]}$$

If the transmission cycle is not set to a multiple of 0.5 ms, such as 0.75, a warning (Data setting warning: A.94) is generated.

When the transmission cycle is not equal to the communications time ($\text{COM_TIM} \neq 1$):

A warning (Data setting warning: A.94) is generated.

(2) MECHATROLINK-II Commands CONNECT:0EH(Connect) MECHATROLINK-I (VER=10H) (p.24)

(ERROR)

COM_TIM

In MECHATROLINK-I, COM_TIM was set in multiples of two because the units for COM_TIM were 1 = 1 ms and transmission cycles were fixed at 2 ms.

$$2 \text{ [ms]} \leq \text{COM_TIM} \leq 64 \text{ [ms]}$$

When transferring data in 2 ms cycles, set COM_TIM = 2. To use 4 ms cycles, set COM_TIM = 4.

In the following cases, a warning is generated and the command is ignored. Commands are also ignored in phase 2 (with no alarm).

- If COM_TIM is set out of range: Data setting warning (A.94)

(CORRECTION)

COM_TIM

In MECHATROLINK-I, COM_TIM = 2 the units for COM_TIM were 1 = 1 ms and transmission cycles were fixed at 2 ms.

If COM_TIM \neq 2: Data setting warning (A.94)