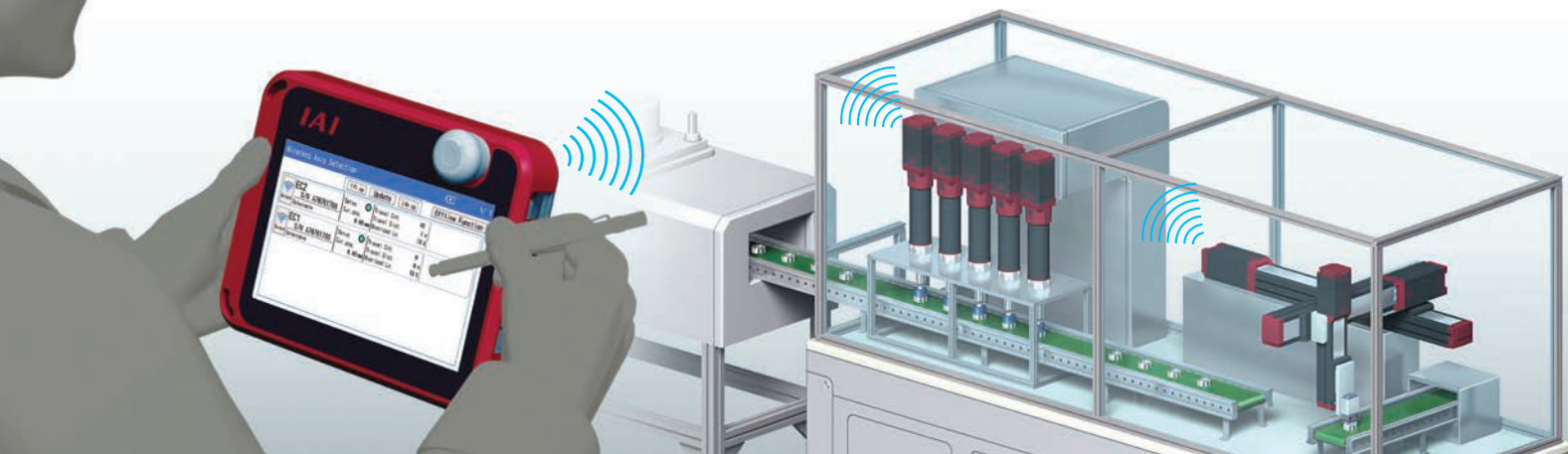


# Touch Panel Data Setter **TB-03**



# Less wiring, simple, and swift with wireless connection: Data Setter TB-03 for EleCylinder !



## TB-03 Features

### 1. Set operating conditions via wireless Bluetooth technology

Position adjustment and operating conditions can be set from outside the equipment, even without a cable connection to the EleCylinder body.

\* Actuator operation requires cable connection.



### 2. Status monitoring makes daily maintenance easier and shortens trouble recovery time

TB-03 can monitor the operating status of up to 16 axes while receiving wireless data from the EleCylinder. Error recovery time also can be shortened by troubleshooting with wireless communication.


Status monitor screen

**Axis Name Display**  
Can be configured (changed) arbitrarily according to customer applications.

**Status Monitor**  
Axis status check can be used for confirmation of maintenance timing.

**Error Status Monitor**  
Alarms and warnings are displayed when generated. Useful for troubleshooting.

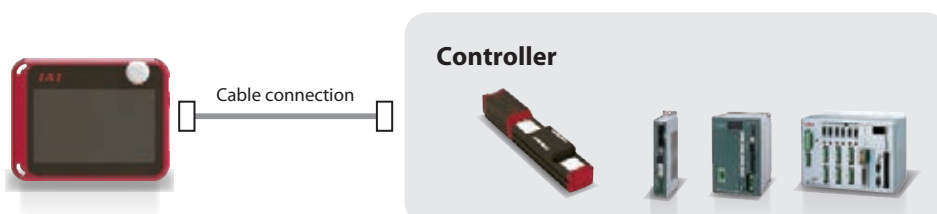
|        |               |           |               |      |                       |        |
|--------|---------------|-----------|---------------|------|-----------------------|--------|
| Select | EC2           | Servo     | Travel Cnt.   | 52   | Alarm Group           | Warnin |
|        | S/N A70761788 | Cur. pos. | Travel Dist.  | 1 m  | Maintenance warning 1 |        |
|        | Selectable    | 0.00 mm   | Over load Lv. | 12 % |                       |        |



Troubleshooting screen

### 3. Supports position/program controller

Dedicated cables can connect the TB-03 to all the controllers. The same functions and operation of the previous TB-02 are available.



## Model Number

One unit supports all controllers, although the cable must be selected in accordance with the controller to be connected. Select the AC adapter for the appropriate operating environment.

Model **TB-03-** Cable - AC adapter

### ● Body + cable + AC adapter set model

| Connected controller                                     | Model          |            | Cable                                   |  |
|--|----------------|------------|---|--|
|  | Body + cable   | AC adapter | For EleCylinder/<br>position controller | For program controller                                     |
| EleCylinder<br>Position Controller                       | TB-03-C        | E          | ① CB-TB3-C050                           | -  |
|  |                | N (*2)     |   |  |
| Program Controller                                       | TB-03-S        | E          | -                                       | ② CB-TB3-S050 + ③ CB-SEL-SJS002                            |
|  |                | N (*2)     |   |  |
| EleCylinder<br>Position Controller<br>Program Controller | TB-03-SC       | E          | ① CB-TB3-C050                           | ② CB-TB3-S050 + ③ CB-SEL-SJS002<br>(conversion cable) (*3) |
|  |                | N (*2)     |   |  |
|  | TB-03-SCN (*1) | E          | -                                       | -  |
|  |                | N (*2)     |   |  |

(\*1) No cable (\*2) No AC adapter (\*3) Use with the cable ② when connecting to ASEL, PSEL, SSEL, or MSEL

### ● Cable single product model number

| Connected controller               | Model                                   |
|------------------------------------|---|
| EleCylinder<br>Position Controller | ① CB-TB3-C050                           |
| Program Controller                 | ② CB-TB3-S050                           |
|                                    | ③ CB-SEL-SJS002 (conversion cable) (*1) |

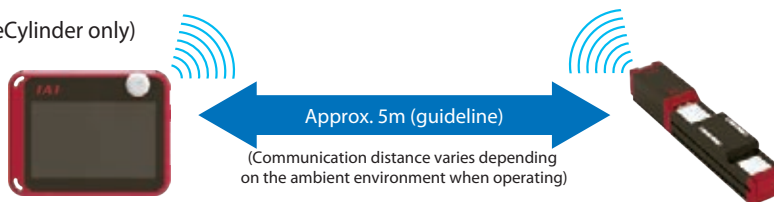
(\*1) Use with the cable ② when connecting to ASEL, PSEL, SSEL, or MSEL

### ● AC adapter single product model number

| Connected controller                                     | Model | Specification | Single product model number |
|--|-------|---------------|-----------------------------|
| EleCylinder<br>Position Controller<br>Program Controller | E     | For Europe    | UNE318-5928                 |

## Connection

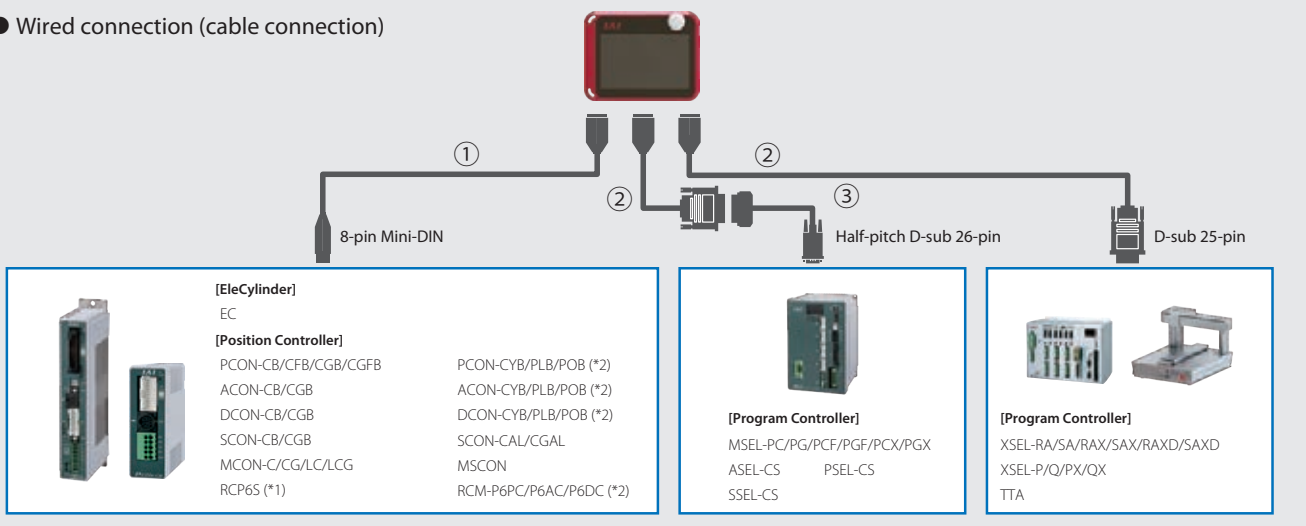
### ● Wireless connection (EleCylinder only)



\* Connectable only for models with "WL" (wireless communication) option in the model number

Caution: Certification issues limit the countries in which wireless communication can be used. Contact our sales personnel for details.

### ● Wired connection (cable connection)



(\*1) A gateway unit or PLC connection unit is required in order to operate RCP6S. (\*2) Coming soon.

| Body Specifications           |   |
|-------------------------------|---|
| Power input voltage range     | 24VDC ±10% [supplied from controller]                 |
|                               | 5.9VDC (5.7 to 6.3V) [supplied from AC adapter]       |
| Power consumption             | 3.6W or less  |
| Consumption current           | 150mA (supplied from controller)                      |
| Ambient operating temperature | 0 to 40°C (no condensation or freezing)               |
| Ambient operating humidity    | 85% RH or less (no condensation or freezing)          |
| Ambient storage temperature   | -20 to 40°C   |
| Vibration resistance          | 10 to 57Hz Amplitude 0.075mm                          |
| Ingress protection            | IPX0  |
| Mass                          | 670g (body) + approx. 285g (dedicated cable)          |
| Liquid crystal                | 7" TFT color WVGA (800 x 480)                         |
| External memory               | SD/SDHC memory card interface mounted (1G to 32G)     |
| Charging method               | Wired connection with dedicated AC adapter/controller |
| Language support              | English/Japanese/Chinese                              |

| Wireless Function (only when connected to EleCylinder) |                               |
|--|-------------------------------|
| Wireless connection                                    | Bluetooth 4.2 Class 2         |
| Wireless function                                      | Data setter/monitor function  |
| Operation command/stop command                         | No                            |
| Max. number of connectable axes                        | 16 axes                       |
| Operation  | Battery (AB-7) operation      |
| Wireless operating time                                | Max. 4 hours (battery driven) |
| Battery life   | Cycle durability 300 times    |

| AC Adapter Common Specifications |                                 |
|----------------------------------|---------------------------------|
| Power input voltage range        | Single-phase 100 to 240VAC ±10% |
| Power supply current             | 0.4A max.                       |
| Consumption current              | 2.8A max.                       |
| Output voltage                   | 5.9VDC (5.7 to 6.3V)            |
| Charging time                    | Approx. 3 hours                 |
| Cable length                     | 1500 ±100mm                     |

### Options

