

FACTORY AUTOMATION

Mitsubishi Electric Tension Controller

LE7-40GU-L Tension Controller

Easy replacement with support for overseas standards (CE marking, KC mark)

Supported with products manufactured in June 2022* or later.

Planned end of production
End of March 2024



Tension Controller LE7-40GU-L

Support for CE marking and KC mark makes replacement of equipment for overseas easy.

Model	CE	KC
LE-40MTA(-E)	—	✓
LE-40MTB(-E)	—	✓
LE-30CTN	✓	✓



Model	CE	KC
LE7-40GU-L	✓	✓

✓: Supported
—: Not supported

Supported

✓: Supported —: Not supported

No need to change panel cutout dimensions. Attachment makes replacement easy.

Attachments matching panel cutout dimensions for existing models are available, so replacement can be performed using a Phillips-head screwdriver without changing the panel cutout dimensions.

The replacement manual is available.

Transition from LE-40MT Series, LE-30CTN(A) to LE7-40GU-L Handbook SH(NA)-170028ENG

*: CE marking and KC mark supported on LE7-CCL and LE7-DCA products manufactured in June 2022 or later.

Mitsubishi Electric Tension Controller

All functions necessary for tension control in this single unit
Compact all-in-one tension controller



Enables intuitive operation using touch panel LCD.
 Enables intuitive operation using simple button design.

Smaller size than existing models **Replacement for smaller control panels**

Area occupied on the panel: **Approx. 53% reduction**
 Product cubic volume: **Approx. 63% reduction**
 Product mass: **Approx. 71% reduction**

*Compared to existing products

No new space is required for replacing existing products. Despite its compact size, it has a built-in clutch amplifier.

3 languages support for screen display **Replacement for global support**

English, Japanese, Chinese (simplified)

Equipped with 3.8-inch high-resolution touch panel LCD. The screen is switchable to English, Japanese, and Chinese (simplified). Suitable for use in various countries.

Comprehensive network/communication functions **Replacement for factory visualization**

Status monitoring of operating time, etc.

Office: MELSEC iQ-F series, GOT, LE7-40GU-L
 Factory: MELSEC iQ-R series, Remote I/O station, LE7-40GU-L

Supported networks:

- CC-Link IE Field Network Basic
- SLMP
- MODBUS/TCP
- MODBUS (RTU/ASCII)
- N:N network
- CC-Link optional

Network option **LE7-CCL**

The controller with Ethernet and RS-485 communication functions as standard can be used on various general-purpose FA networks, and can be connected smoothly to the upper-level controller. In addition, it can support tension control linked with network-capable drive devices such as inverters, servo amplifiers, etc.

Improved control functions **Replacement for more stable tension control**

Reel diameter calculation option **LE7-DCA**

The reel diameter calculation option enables stable tension control even for feed-forward/feed-back combined control with lots of acceleration/deceleration.

⚠ Safety Warning
 To ensure proper use of the products in this document, please be sure to read the instruction manual prior to use.

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MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

www.MitsubishiElectric.com