

Notice Regarding Earth Leakage Breaker Change When Uninterruptible Power Supply [Optional Accessory] Is Installed in DFL7161

Applicable model

DFL7161 with Uninterruptible Power Supply (UPS) Installed

Notice

Starting in 2021, the UPS [optional accessory] model was changed, but following the change, we discovered that leakage current has increased slightly with the new model compared to the previous model. Due to this, if the new UPS model (MSP832SFEAH2T-CPN) is installed in the DFL7161, it is possible that the earth leakage breaker will be tripped.

As a countermeasure, we will change the earth leakage breaker when the UPS (MSP832SFEAH2T-CPN) is installed. In addition, due to the change in earth leakage breaker, the rated detection current will change, so we are notifying you of the following.

Model	Rated sensitivity current (before change)	Rated sensitivity current (after change)	Implementation start timing
DFL7161 (UPS installed)	50 mA	100 mA	Change implemented gradually starting from machines shipped in April 2023 and after
DFL7161 (UPS not installed)	50 mA	50 mA (no change)	No change

[Impact of change]

Even if the rated sensitivity current changes, there will be no impact on the machine's safety performance.

We have verified that the leakage current increase amount is approximately 5 mA (capacitive). If the customer performs centralized control of leakage current at the facility side, it is possible that a warning will be issued at the facility side. Please contact a DISCO sales representative.

Implementation for machines currently being used

• If currently using a machine with UPS installed

Applicable models: machines shipped from October 2021 onward or PA2115 or later UPS installed

Customers to whom this matter applies will be contacted separately by DISCO. If the issue of the breaker being tripped is not occurring at present, there is no problem with continuing to use the machine.

• If installing UPS in a machine currently being used

When performing modification to change the UPS, the machine's earth leakage breaker will be changed along with it.

Related newsletters

Regarding Discontinuation of Uninterruptible Power Supply Unit (N11A502DHR-Type/N11A502DVR-Type) (<https://www.disco.co.jp/eg/support/condition/doc/TNL2021-0007e.pdf>)

Inquiries

Please contact your local DISCO sales representative or laser customer engineer if you have any questions regarding this matter.