



AMKASYN

VARIABLE SPEED DRIVES

Application Note **No. AP 2004/31-1e** Part No.: 200589

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RENATA CR2477N replacement battery for AZ option cards AZ-PS4x / AZ-MC1 with battery holder for CR2477 (orange-coloured)

In the past the orange-coloured battery holder for battery RENATA CR2477 was mounted on the AZ option cards AZ-PS4, AZ-PS4P, AZ-PS4I, AZ-PS4A and AZ-MC1.

In the meantime the manufacturers have announced that both components will be discontinued.

On new AZ-PS4x / AZ-MC1 cards now new black-coloured battery holders are mounted for the replacement battery RENATA CR2477N (AMK part No. 24665) but it also can accept battery type CR2477.

Kindly note:

The pos. / neg. battery connections on battery CR2477N are just the other way round! Never use battery CR2477N in an orange-coloured battery holder (→ Loss of the PLC program!).

Offered by AMK is a spare battery set (AMK part No. 46706) for replacement of the battery on the cards with orange-coloured battery holder. It consists of a small adapter board AZ-BT2 and the **RENATA CR2477N** battery. The adapter board with the battery is plugged into the existing battery holder (orange colour) on the AZ-PS4x / AZ-MC1 card.

It projects over the original card by approx. 18mm.

The battery voltage is applied via a connection stripe at the edge of the adapter PC board and via the knock-in nut on the PCB.

Given it is installed correctly, the design of this adapter card guarantees that the polarity of the battery voltage is correct for both battery types,.

The battery must be inserted beneath the positive connection clip in that way that the “+” marking on the battery is visible (for CR2477N and CR2477 battery types).

Insert battery:

Pay attention to correct battery polarity!

Insert battery skewed from top over the holder edge under the positive connection clip, then push it completely into the holder.

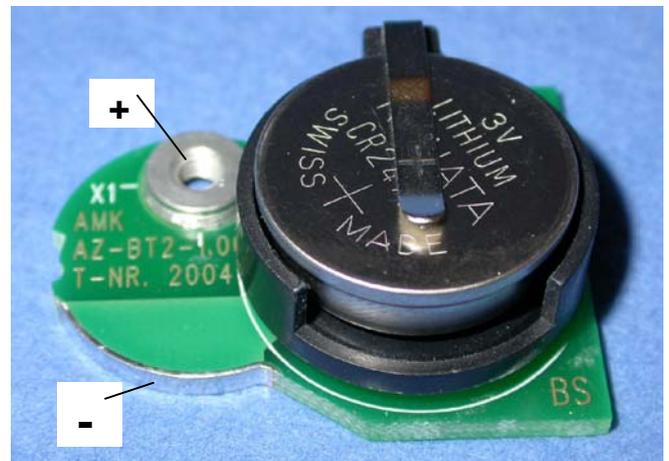
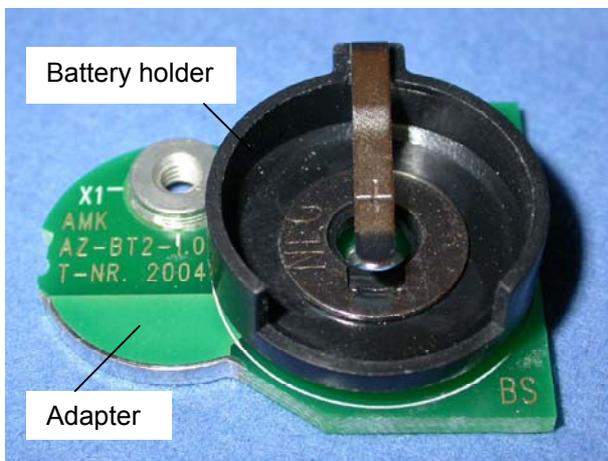
Install battery set on AZ-PS4x / AZ-MC1:

System power supply for the drive system must remain ON!

Insert battery set from the front into the orange-coloured holder and press it in completely. Then turn power OFF and ON again.

The battery must be replaced latest after 5 years!

Battery set components



Battery set installed on AZ-PS4x / AZ-MC1

