

PowerXL

DB1 Firmware

## Firmware Release Note



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# Content

- 1 V2.01 Change Notification – 22.02.2019 ..... 5
- 2 V2.02 Change Notification – 15.03.2021 ..... 6



# 1 V2.01 Change Notification – 22.02.2019

Existing Version 2.00 (DB1)
New Version 2.01 (DB1)

## Management Summary

We updated the firmware of DB1 for your convenience. The use of existing parameter sets can generally be continued. The following updates will improve handling and functionality of the drive.

### 1. Functionality

#### 1.1. Add new Modbus comms parity parameter P-56

A new parameter P-56 (SWD index 3224) has been added in this software release.

This parameter is used to select Modbus communication data parity format.

There are 4 options available:

0: No Parity, 1 Stop Bit (N-1), this is default option

1 : No Parity, 2 Stop Bits (N-2)

2: Odd Parity, 1 Stop Bit (O-1)

3: Even Parity, 1 Stop Bit (E-1)

#### 1.2. Modbus command 0x10 functional changes for Ethernet module

Modbus write multiple registers command 16 (0x10) has been modified to adapt Ethernet module operation.

### 1.3. P-51 default value changed

Thermal overload retention in P-51 is enabled by default.

### 1.4. 0.75kW voltage doubler drive rated current reduced

Drive rated and maximum current of 115V 0.75KW voltage doubler drive have been reduced from 4.3A down to 3.2A.

Minimum current reduced from 1.0A down to 0.8A.

### 1.5. (PS) Drive trips overload quicker when speed is less than 10% of rated speed

Follow UL requirement, drive will trip overload about 5% quicker when motor speed is less than 10% of rated speed.

### 1.6. (PS) B O-I trip reset delay added

Same as O-I and overload, a reset delay is added for brake O-I trip.

## 2 V2.02 Change Notification – 15.03.2021

Existing Version 2.01 (DB1)
New Version 2.02 (DB1)

### Management Summary

We updated the firmware of DB1 for your convenience. The use of existing parameter sets can generally be continued. The following updates will improve handling and functionality of the drive.

#### 1. P-15 add option 18 for terminal control mode (P-12=0)

A new terminal control function configuration option 18 has been added to P-15.

When drive operates in terminal control mode (P-12 = 0), terminal function setup as:

P-15	Digital Input 1	Digital Input 2	Digital Input 3	Analog input
18	Normally Open (NO) Momentary close to run	Normally Closed (NC) Momentary open to stop	Open: reverse Stop Closed: reverse Run	Analog input 1

For other operation mode, this new option 18 has the same functionality as option 0.

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