

SALES BULLETIN

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SUBJECT: Introduction of new version UVR Power Supply Units

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UVR power supply units – Introduction of new version

A new power supply unit will be integrated in the UVR power supply units listed below. This power supply unit supplies a voltage of +24 V NC as an additional output voltage and its power output of 400 W suffices to supply the HSCI components of the control system in standard configurations. The power required for this can be saved in other +24 V power supply units (e.g. for the electric circuit of the PLC). Also, the integrated power supply unit is buffered via the DC link, thereby ensuring that in the event of a power failure the HSCI components will continue to be supplied so that they can perform concluding actions, such as the LIFTOFF function.

The UVRs concerned will therefore receive a new ID:

Product	ID Previous product	ID Successor	Availability
UVR 120D	728252-01	1095625-01	October 2014
UVR 130D	728248-01	1095626-01	October 2014
UVR 140D	728253-01	1084190-01	June 2014
UVR 150D	728255-01	1080611-01	June 2014
UVR 160D	728257-01	1095627-01	October 2014
UVR 160DW	728258-01	1095809-01	October 2014

However, please note the following regarding the integrated power supply unit of the UVR power supply units mentioned above:

- The +24 V NC output voltage of the UVR is safely separated voltage (protective extra-low voltage, PELV system according to EN 61800-5-1). This +24 V NC supply voltage is required to be safely separated voltage for the entire HSCI system and must not be connected to the +24 V PLC supply voltage of the system, because due to its design and the components used the PLC circuit is usually an electric circuit with basic insulation (ELV system according to EN 61800-5-1). The PLC circuit (+24 V PLC) must be powered via an additional external power supply unit (e.g. PSL 130)—this supply voltage cannot be provided by the UVR.
- The 0 V signal of the NC supply voltage must be connected by a 4 mm² conductor to the machine's central functional ground. This is done by connecting the 0 V terminal of connector X90 (on the underside of the UVR) to an intermediate terminal that should directly be connected to functional ground. Ensure that the lines to the intermediate terminal are short and refer to the grounding diagram in the Technical Manual for your control.
- Keep in mind in your planning that the integrated power supply unit provides a maximum power output of 400 W. The power requirement of the connected inverters and controller units must be taken into account in addition to the power requirement of the HSCI components.
Detailed information on project planning will be provided in the Update Information of the Technical Manual for Inverter Systems and Motors or in the preliminary documentation (upon request).

Documentation: An Update Information document will be published on the HEIDENHAIN Filebase when the products are available. Preliminary technical documentation upon request.

UVR power supply units – Discontinuation of current version

The previous UVR power supply units listed below will be discontinued:

Product	ID	Date of discontinuation
UVR 120D	728252-01	January 1, 2015
UVR 130D	728248-01	January 1, 2015
UVR 140D	728253-01	September 1, 2014
UVR 150D	728255-01	September 1, 2014
UVR 160D	728257-01	January 1, 2015
UVR 160DW	728258-01	January 1, 2015

Procedure when servicing becomes necessary:

The previous UVRs can be replaced by their corresponding successor if servicing becomes necessary—the specifications and dimensions are identical. The new UVRs cannot be replaced by the previous ones, however.