

# Disk Drive Replacement (DDR) for ABB Robotics S4/S4C/S4C+ -system

New, faster version available from jan 2011

Replaces all\* old floppy drives!

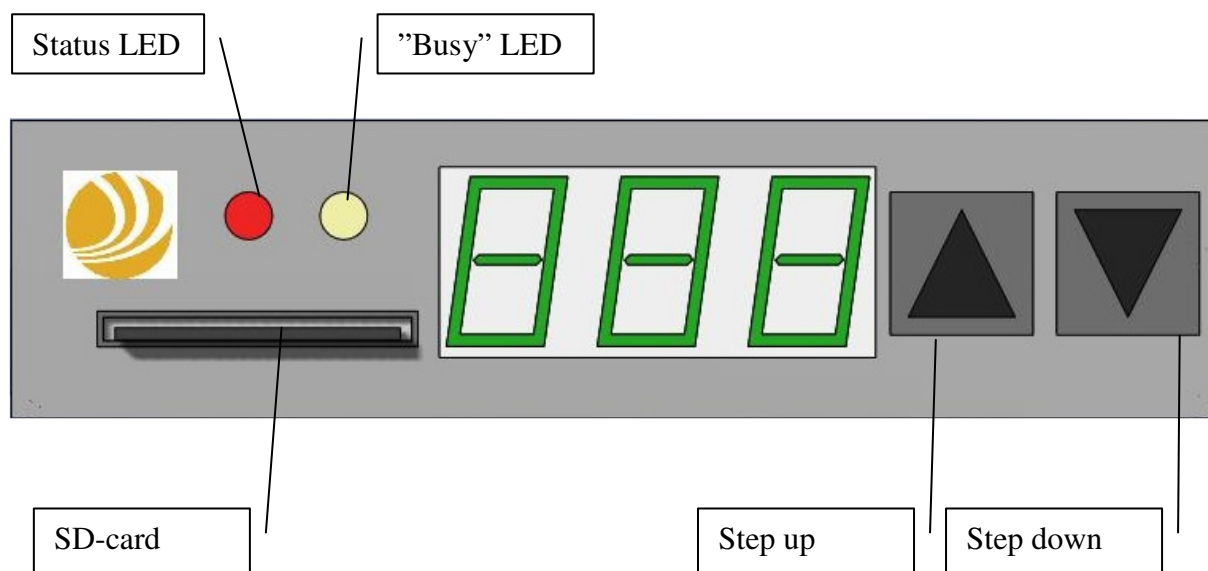


## Description

The DDR is assembled in the same place as the old floppy disk drive and uses a SD-card to save data (capacity 200 “diskettes”).

The active disk is indicated on the display. Disk change is made by the up/down buttons and is done in approx. 5 seconds.

Tip: Change to disk 200 – press both buttons at the same time.



Status LED: Green indicates normal status, red indicates an error on the SD-card/DDR.  
Yellow LED: Indicates busy/not available.

The SD-card alone cannot be read by any PC, because there is no file system present.  
To handle the SD-card in a PC, use "Swerob DDR PC Software" that can be downloaded from swerob.com.

Functions in the program:

- Opens selected disk on the SD-card to edit and save files, and do normal file operations in windows (copy/paste etc.)
- Simple guide to copy boot-diskettes  
Always save to disk no 100-130 that is write protected in the robot system
- Backup/Restore function of SD-card
- Print-out list of used disks that is created from saved backup to for an overview of the disks used. Useful to have at your robot system!

Do not format SD-card in PC. Use only Swerob pre-formatted SD-card 900061 with S4, and 900062 with S4C+.

PC system requirements: Windows XP, Windows Vista, Windows 7 or older with a SD-card reader and .net 1.1 installed.

## **Installation:**

The DDR is easy to exchange, it has the same form factor as a standard floppy unit.

1. Remove the old floppydrive, and mount the DDR. Connect **only** 5V-power cord and wait until the yellow LED lights out (approx. 5sec).
2. Connect the ribbon cable. If the yellow LED lights up, the ribbon cable is incorrectly socketed. Turn the contact to the other direction..

## **Technical specification**

Part number	900053 (S4/S4C) 900063 (S4C+)
Interface	34 pin floppy interface
Capacity	200 x 1.44Mb (HD-disk)
Environmental	Operating Temperature 8 C – 50 C
Dimensions	143x103x27mm
Weight	0,5 kg
Power Voltage	DC 4,6 to 5,3 V
Typical current consumption	300mA
System Requirements	ABB Robot Control System S4, S4C, S4C+ with DSQC540
Warranty	One-year Limited
Supported SD FLASH cards	SDHC kort, art.nr. 900061 (S4/S4C), 900062 (S4C+)

\*The DDR is available for ABB:s robot systems: S2, S3, S4, S4C, S4C+ with DSQC540 computer board.