

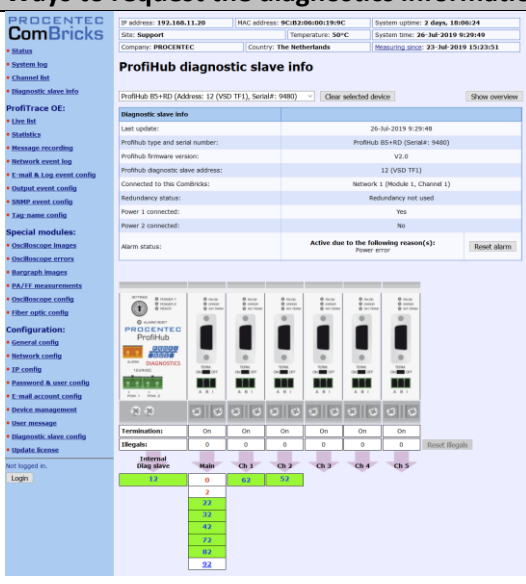
## The HubDater Tool

The HubDater Tool enables users to make the following ProfiHub Repeater models even better by updating it with our diagnostics slave functionality:

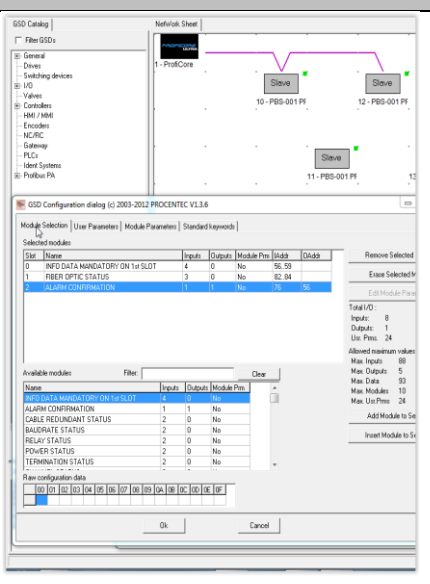
- ProfiHub B5+R
- ProfiHub B2+R
- ProfiHub B4FO2+R
- ProfiHub B2FO2+R
- Repeater D1

The Hub diagnostics enables the ProfiHubs to get message level diagnostics accessible through our ComBricks or the PLC. The user is able to pin point occurring errors in the network more easily and can prevent downtime.

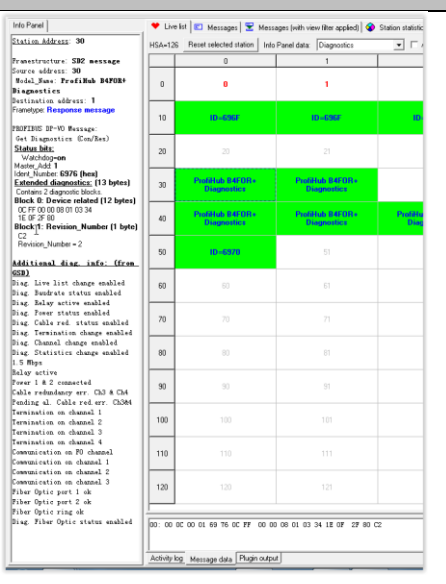
### Ways to request the diagnostics information



ComBricks Head Station web page. The interface shows system information, a navigation menu on the left, and a 'ProfiHub diagnostic slave info' section with fields for IP address, MAC address, and serial number. Below this is a 'Diagnosis slave info' table and a 'Termination' status table.



PLC using a DP-V0 software module. The screenshot shows a 'GSD Configuration dialog' window with a table of modules. The 'RIBER OPTIC STATUS' module is highlighted, showing its input/output status and module parameters.



Diagnostic response is decoded using the GSD. The screenshot shows a 'Station status' table with columns for 'Station address', 'Source address', and 'Destination address'. The table contains several rows of diagnostic data, with some cells highlighted in green.

### The order procedure

1. The ProfiHub has to be inactive in order to perform the update.
2. Start the installation Software on the USB on your PC.
3. Follow the steps in the wizard and connect your ProfiHub device using the provided cable.
4. When the installation is complete, reboot your ProfiHub.

One license is equivalent to one device. One HubDater Tool can update 50 devices. The HubDater Tool Kit is shipped to order, this means it is not available to download from our web page. When the tool is ordered, the installation software is provided on a USB Drive including one license and the programming cable.

The advantage of the HubDater: this is a onetime update you will have to execute per device. Once the update has been done, the ProfiHub is diagnostics ready.