

Professional Radio Solutions made in Germany

MDP-810



Professional Radio Solutions

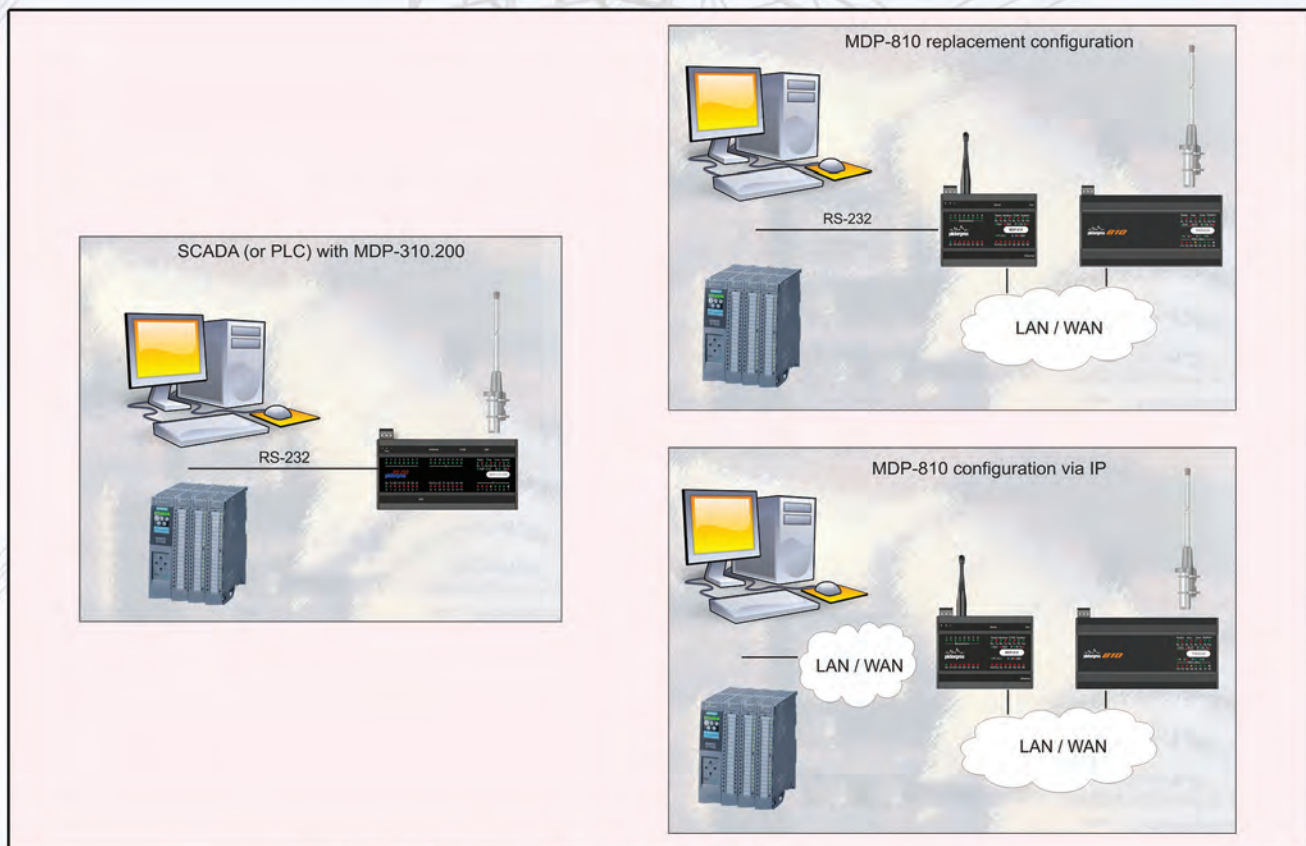
MDP-810

The MDP-810 radio controller is compatible with the former MDP-310.200 and can be replaced without great configuration effort. The basic concept of the device has been changed so that the controller and radio basestations are now separate. It is now possible to attach a radio basestation (TRM-810/BS or TRM-81/BS) via Ethernet both locally (LAN) via the MDP-810 or remotely via IP connection (WAN). Up to 8 TRM-810/BS or TRM-81/BS can operate in one network with redundant radio-routes. The coverage can now be designed in a more flexible and secure way for critical applications.

The new MDP-810 is capable of reading out the full radio and PiRangia configuration files from the MDP-310.200 without the need of a PC, which make the replacement seamless and easy to handle.

Another new feature is the integrated GSM/LTE-alarm function, which supports both GSM and LTE. With just a few clicks the user can configure the alarm function via the Webserver. This way alarm messages can be sent to up to 8 cell phones.

Vergleich MDP-310.200 und MDP-810



MDP-810 with GSM/LTE support for SS20G Solar Stations

In addition to the SS20F solar stations that use the time slot method, the MDP-810 also supports the use of SS20G via GSM/LTE. Logger and real time information is read out by the MDP-810 and sent cyclically via a Modbus/IP connection to the control room. The data is compatible with SS20F data. A static IP address is required for the communication with SS20G solar stations.

Redundant Operation with two MDP-810

The concept of the MDP-810 allows both - single use of just one MDP-810 but also redundant operation with two MDP-810. The data from the outstations are mirrored in real time from the primary MDP-810 to the secondary device so that in case of malfunction of one of the communication paths, the secondary device can take over. In order to guarantee a seamless switchover, the secondary MDP-810 communicates with all base stations even in normal operation. This way all components needed are available and operational in case of a switchover. One or two control room PCs or PLCs can operate the redundancy concept. If just one PC/PLC is used, the main MDP-810 is polled continuously and in case of failure, the secondary MDP-810 takes over. If two PCs/PLCs (even in different locations) are used, the main PC/PLCs polls the primary MDP-810 and the secondary PC/PLCs receives information from the secondary MDP-810.

