

Remote monitoring for ReSPR Cell/HVAC devices

Phase I functionality:

1. PCB
 - a. Design PCB according to latest schematic
 - i. “Stand-alone” PCB to integrate in new version of ReSPR DuctStation product. In the new development of our DuctStation range we will not install complete ReSPR HVAC units but directly NCC cells which will be connected to a ballast. Discuss with K. Haque to understand / make sure he has everything he needs to design this PCB.
 - ii. For HVAC Unit as the one sent to K. Haque
 - iii. Enquire with K. Haque about possible variant (if not same) for HVAC Unit without PCB (as current PCB on HVAC units is apparently useless, if not for the led indicators)
2. HMI programming: basic functionality
 - a. remote monitoring whether the device is running or not,
 - b. remote switching on and off,
 - c. and a software hourmeter (counting the cumulative hours NCC cells (lamp) have been lit to keep track of maintenance.
 - i. Foresee how the hourmeter can be resetted by technician when the NCC cells are periodically replaced. Maybe through a password-protected function for the technician via the HMI ? Check with K. Haque.

Phase II extendend functionality

- d. integrating more sensors, at least the UV we already tested, and
- e. integrate it with Kaiterra, which K.H. already had a look at and looks feasible (K.H OK 30/7).