

GITHUB REPOSITORY - ELECTRONIC CIRCUIT

Electronic circuit of the detection unit. If there is only a little light incident on the detectors, it is possible to amplify the measured voltage using an operational amplifier, e.g. a *LMC6042*. Therefore "IN B+" should be shortcut to "OUT B" and "IN A+" should be shortcut to "OUT A". The wanted amplification is then chosen by a suitable ratio of the resistors R_1 and R_2 . All 5 V input voltages are stabilized by 100 nF capacitors, see also "PCB_DESCRIPTION.PDF" for exact wiring.

