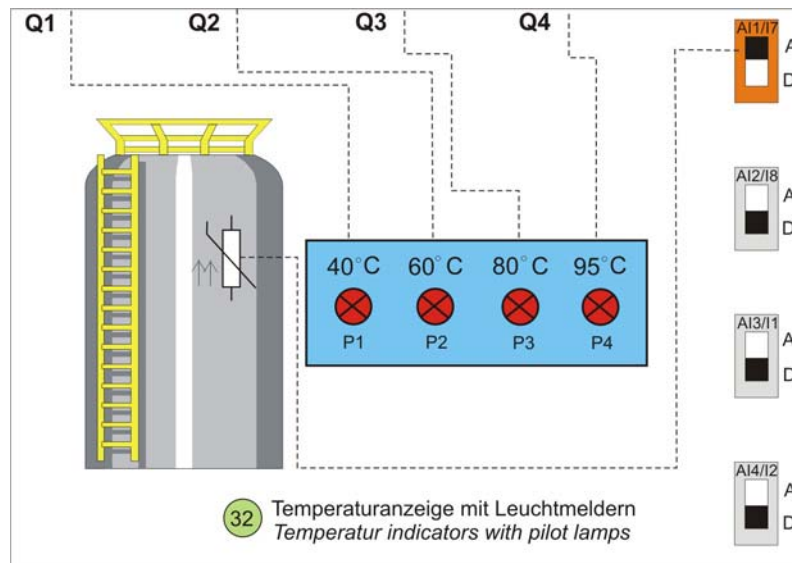


## Temperature indicators with pilot lamps with LOGO!Learn

Lernkarte Temperaturanzeige mit Leuchtmeldern



### Operating description

The temperature in a tank has to be displayed with pilot lamps on a large display panel. It is assumed that the range is  $0 \dots 95 \text{ }^\circ\text{C} = 0 \dots 9,5\text{V}$ . Four pilot lamps P1...P4 are used for the display which should come on in sequence after every  $20 \text{ }^\circ\text{C} / 15 \text{ }^\circ$  i.e. at a temperature of  $95 \text{ }^\circ\text{C}$  all pilot lamps are on.

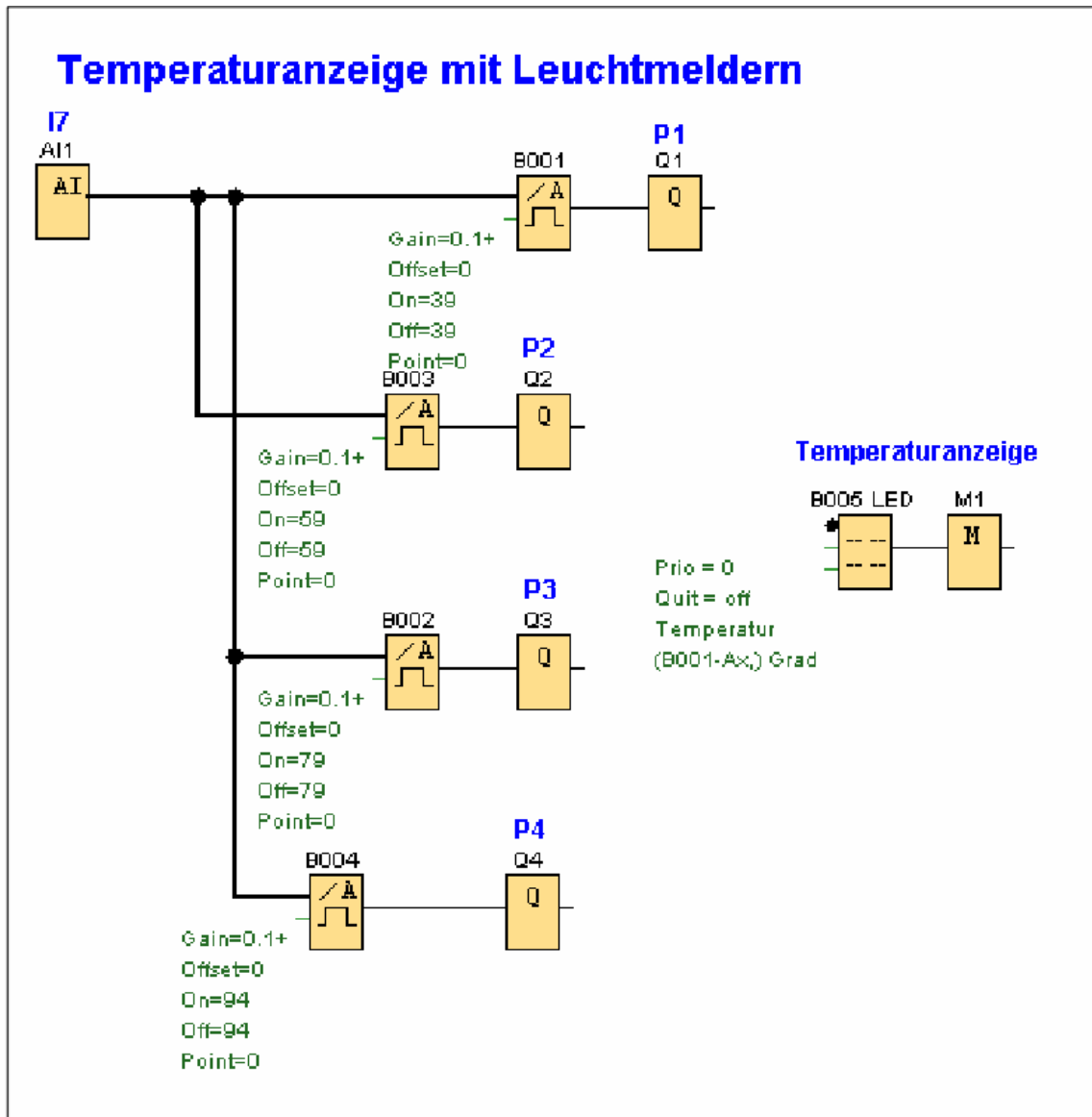
Correlation list		
Symbol	absolute	Comment
I7	R1	Analog input 0..10V
Q1	P1	Pilot lamp 40 °C
Q2	P2	Pilot lamp 60 °C
Q3	P3	Pilot lamp 80 °C
Q4	P4	Pilot lamp 95 °C

### Exercise

Solution field 1 shows a suggested solution.

- Enter program according to function block diagram (solution field 1) into the programming unit (i.e. PC or keyboard) and transfer into LOGO!
- Test program (**Attention: Sliding switch I7 to be switched to „Switch position Analog“**).
- Transfer the solution „FBD“ as „LAD“ (ladder diagram) into solution field 2.
- Enter program according to LAD (solution field 2) into the programming unit (i.e. PC or keyboard) and transfer into LOGO!
- Test program

## Solution field 1 (suggested solution)



Solution field 2 (ladder diagram)

