

Multi-storey car park control

MFD-Titan is required to control the entrance and exit of a multi-storey car park in a shopping centre.

The multi-storey car park provides a total of 500 parking spaces. A contact loop at the entrance counts the number of vehicles entering. A contact loop at the exit counts the number of vehicles leaving. Output Q1 switches on the "Car Park Full" light if the number of permissible vehicles is reached.

Value input via MFD-Titan:

It should be possible to enter the following setpoints via MFD-Titan:

- Number of vehicles that are let in. No more than 500.
- Correction factor: If the number of vehicles present in the multi-storey car park does not match the counter status, you can correct the counter status via the MFD.

Device class used

MFD-Titan

Wiring

Inputs

I01 Counting of vehicles entering
I02 Counting of vehicles leaving
I03 Accept correction factor

Parameters

C01 Number of parking spaces full

Outputs:

Q01 Display "Car Park Full."

Designing the entry screen

