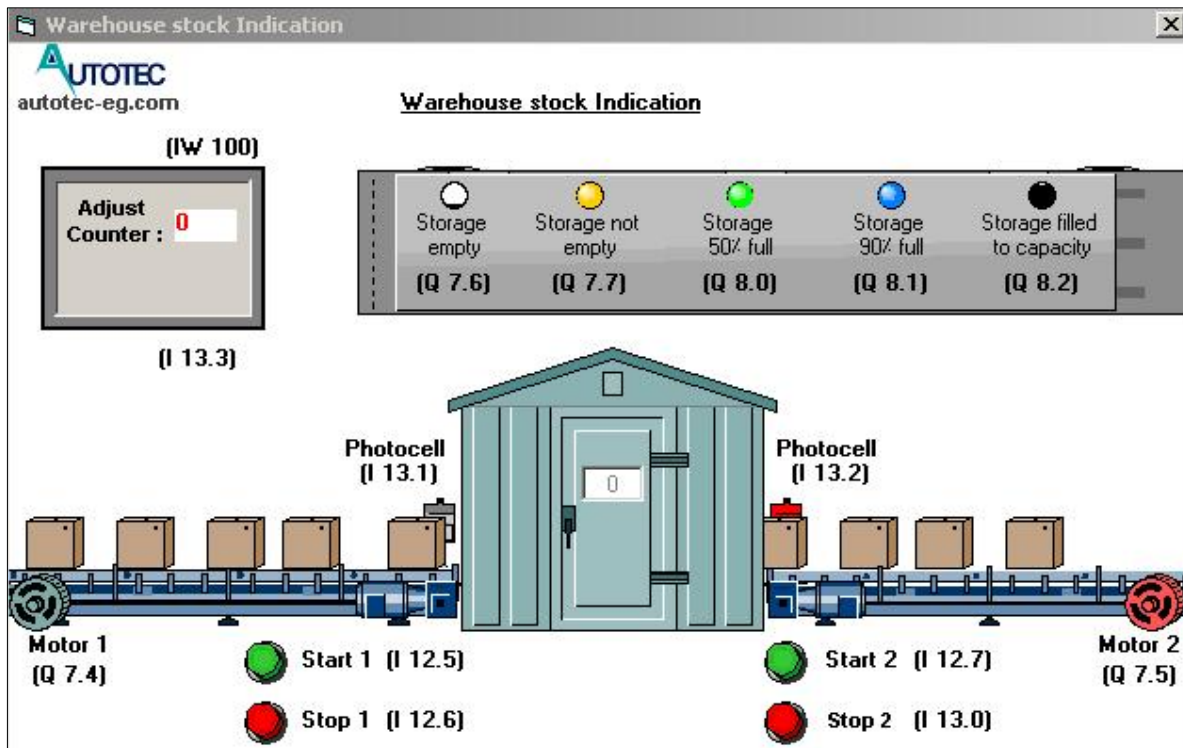


Warehouse stock Indication application

Warehouse stock Indication application will help you in understanding **counter instructions of STEP7 program.**

The following figure show a system with two conveyor belts and a temporary storage area in between them. Conveyor belt 1 with Motor 1 delivers packages to the storage area. A photoelectric barrier at the end of conveyor belt 1 near the storage area determines how many packages are delivered to the storage area. Conveyor belt 2 with Motor 2 transports packages from the temporary storage area to a loading dock where trucks take the packages away for delivery to customers. A photoelectric barrier at the end of conveyor belt 2 near the storage area determines how many packages leave the storage area to go to the loading dock. A display panel with five lamps.



1. **Storage empty lamp:** should blink indicating that there are no packages in the storage.
2. **Storage not empty lamp:** should blink indicating that there are packages in the storage.
3. **Storage 50% full lamp:** should blink indicating that the storage is half full.
4. **Storage 90% full lamp:** should blink indicating that 90% of the storage is full.
5. **Storage filled to capacity lamp:** should blink indicating that the storage is full.

- You are able to adjust the counter using the panel on the left as shown in the figure.
- The led shown in the middle of the storage door, is a built in counter for you to check the number of packages already in the storage and compare it with the one done in your PLC program.