

Hotel1 (Privacy) Example

A Much Better Idea : Logical : Unique



AmbiLogique

Electronic Controllers

The Hotel1 example shows how a bedside Privacy panel can be linked to doorfront indicator and the doorbell. This illustrates how simple electrical diagrams can be constructed with non-active components (lines and text) in a multi-page AmbiLogique diagram.

The "Privacy" and "Room Make Up" indicators are controlled by the latches F0206 and F0208 (AmbiLogique assigned these function names automatically). Either of these latches can be set by pressing its button on the bedside control panel. The Clear button will reset both the latches.

The doorbell is routed via an AND gate with an input inverted so that when Privacy is TRUE, the doorbell is disconnected.

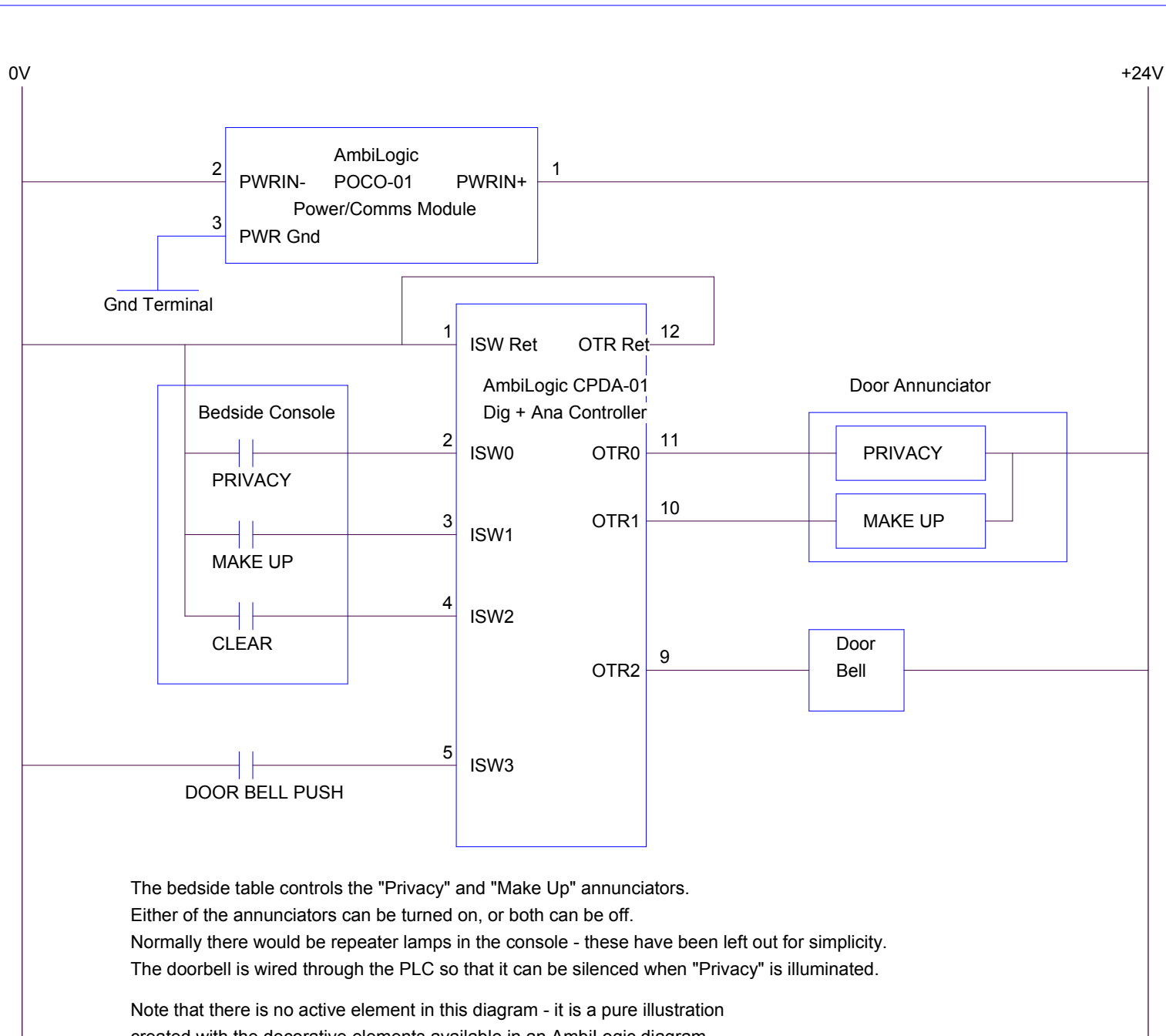
This example shows how simple it is to create logical interlocks using function block diagrams.

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The bedside table controls the "Privacy" and "Make Up" annunciators. Either of the annunciators can be turned on, or both can be off. Normally there would be repeater lamps in the console - these have been left out for simplicity. The doorbell is wired through the PLC so that it can be silenced when "Privacy" is illuminated.

Note that there is no active element in this diagram - it is a pure illustration created with the decorative elements available in an AmbiLogic diagram. The wiring has been coloured brown to distinguish it from the component outlines.

