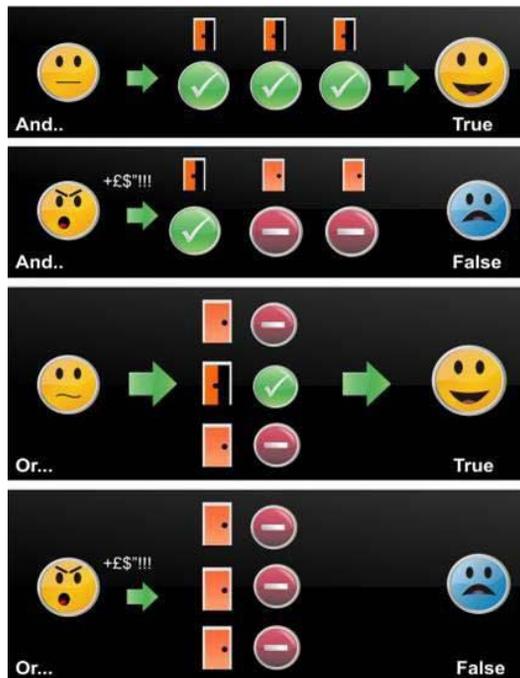


Conditional Logic Information



- With Helvar 910 & 920
- AND, NAND, OR, NOR's
- Time Based Statement
- Date Based Statement
- Input Based Statement
- Last Scene Statement

Further Reading:
Designer Help File

Overview

Conditional logic allows a action carried out within the system to be diverted along a path different from its normal one based on the logic statement being true.

A condition typically consists of the "type", "statement" and the resulting "action". The types of logic available allow for AND, where the statement must be true.

OR where a single part of the statement is sufficient and the two inverse of these NAND and NOR, or in other words NOT AND or NOT OR.

The statement can be singular or made up of several parts, with the statement being for example a specific date, time or input status. A common function could be a PIR sensor only being active based on the statement "days of the week". The resulting sensor "action" would therefore be to only function between Monday and Friday and be inactive at the weekends.

Conditional logic can allow numerous "actions" to be programmed within the system in addition to the base functions. This gives great flexibility to the system and allows complex tasks to be carried out with the end client receiving the desired effect apparently seamlessly.

Functions

The following list shows available condition types and associated statements.

Type

AND - the whole condition must be "true"

NAND - the whole condition must be NOT "true"

OR - part of the whole condition must be "true"

NOR - part of the whole condition must be NOT "true"

Statement

Time range - a set range that can be between dawn, dusk or fixed time such as 18.00hrs

Days of the week - specific weekdays, weekends or combination of individual days

Day and month - specific date such as 25th December

Annual date range - as above but occurs each year

Date range - specific range including year such as 1st January 2008 - 31st December 2012

Analogue input - specific threshold value, i.e. 50% (5v)

Switch input - open or closed

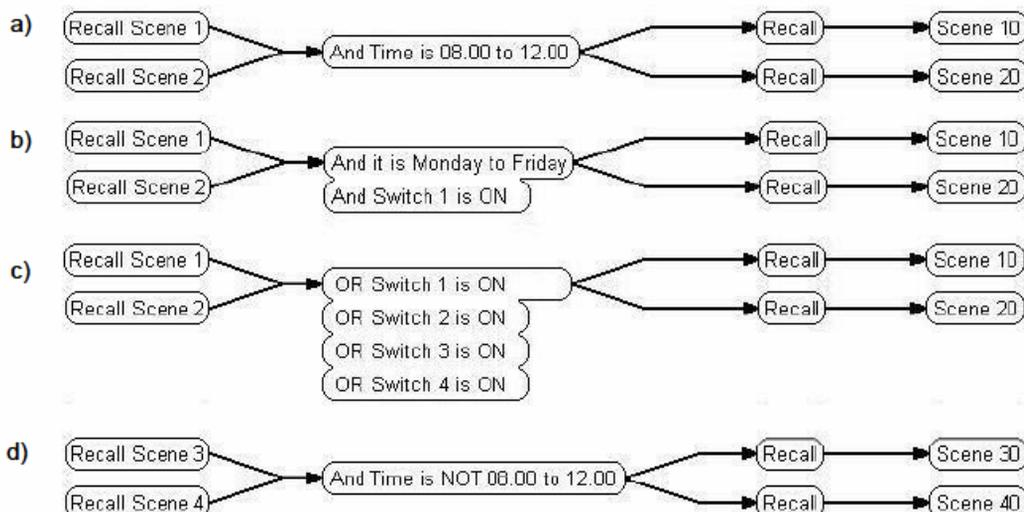
Reference - another condition type/statement must also be true

Last scene in block - the last scene that has been recalled in that group and block

Control Flow

Typical Flows

- a) AND Fixed Time
- b) AND Time + Input Status
- c) OR Input Status
- d) NAND Time



Contact your local Helvar representative or visit us online at www.helvar.com

Due to a policy of continuous improvement, Helvar reserve the right to alter specifications without notice at any time.