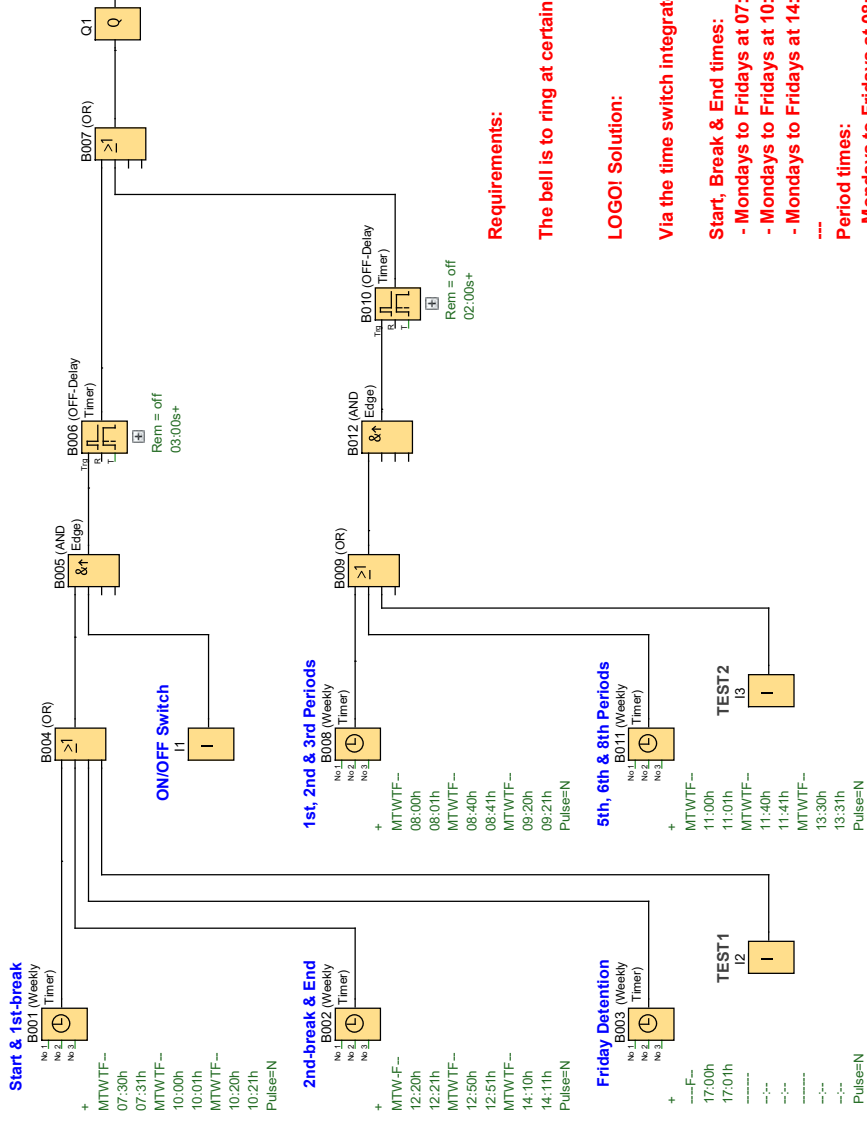


School Bell System



Requirements:

The bell is to ring at certain times for 3 seconds (school begin, periods, breaks and end of school).

LOGO! Solution:

Via the time switch integrated in LOGO!, the times are set for the beginning of school, periods, breaks and end of school.

Start, Break & End times:

- Mondays to Fridays at 07:50 (Start time),
- Mondays to Fridays at 10:00/15, 13:15/45 (Break times),
- Mondays to Fridays at 14:50 (End time),

Period times:

- Mondays to Fridays at 08:00, 09:00, 11:15, 12:15 (Periods 1-4)**

On Friday's there are detention classes that end at 17:00.

ON/OFF Switch is used to turn the system OFF during school holidays & ON during school terms. (TEST inputs are used to test the system manually).

Creator:	Admin		Project:		Customer:	
Checked:			Installation:		Diagram No.:	
Date:	8/26/25 9:50 AM/8/27/25 11:16 AM		File:	bell_system_for_schools_FBD.lsc	Page:	1/4

Block Number (Type)			Parameter			
B001(Weekly Timer) : (Weekly Timer)			+ MTWTF-- 07:30h 07:31h MTWTF-- 10:00h 10:01h MTWTF-- 10:20h 10:21h Pulse=N			
B002(Weekly Timer) : (Weekly Timer)			+ MTW-F-- 12:20h 12:21h MTWTF-- 12:50h 12:51h MTWTF-- 14:10h 14:11h Pulse=N			
B003(Weekly Timer) : (Weekly Timer)			+ ----F-- 17:00h 17:01h ----- --:- --:- ----- --:- --:- Pulse=N			
B004(OR) : (OR)						
B005(AND (Edge)) : (AND Edge)						
B006(Off-Delay) : (OFF-Delay Timer)			Rem = off 03:00s+			
B007(OR) : (OR)						
B008(Weekly Timer) : (Weekly Timer)			+ MTWTF-- 08:00h 08:01h MTWTF-- 08:40h 08:41h MTWTF-- 09:20h 09:21h Pulse=N			
B009(OR) : (OR)						
Creator:	Admin		Project:		Customer:	
Checked:			Installation:		Diagram No.:	
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