

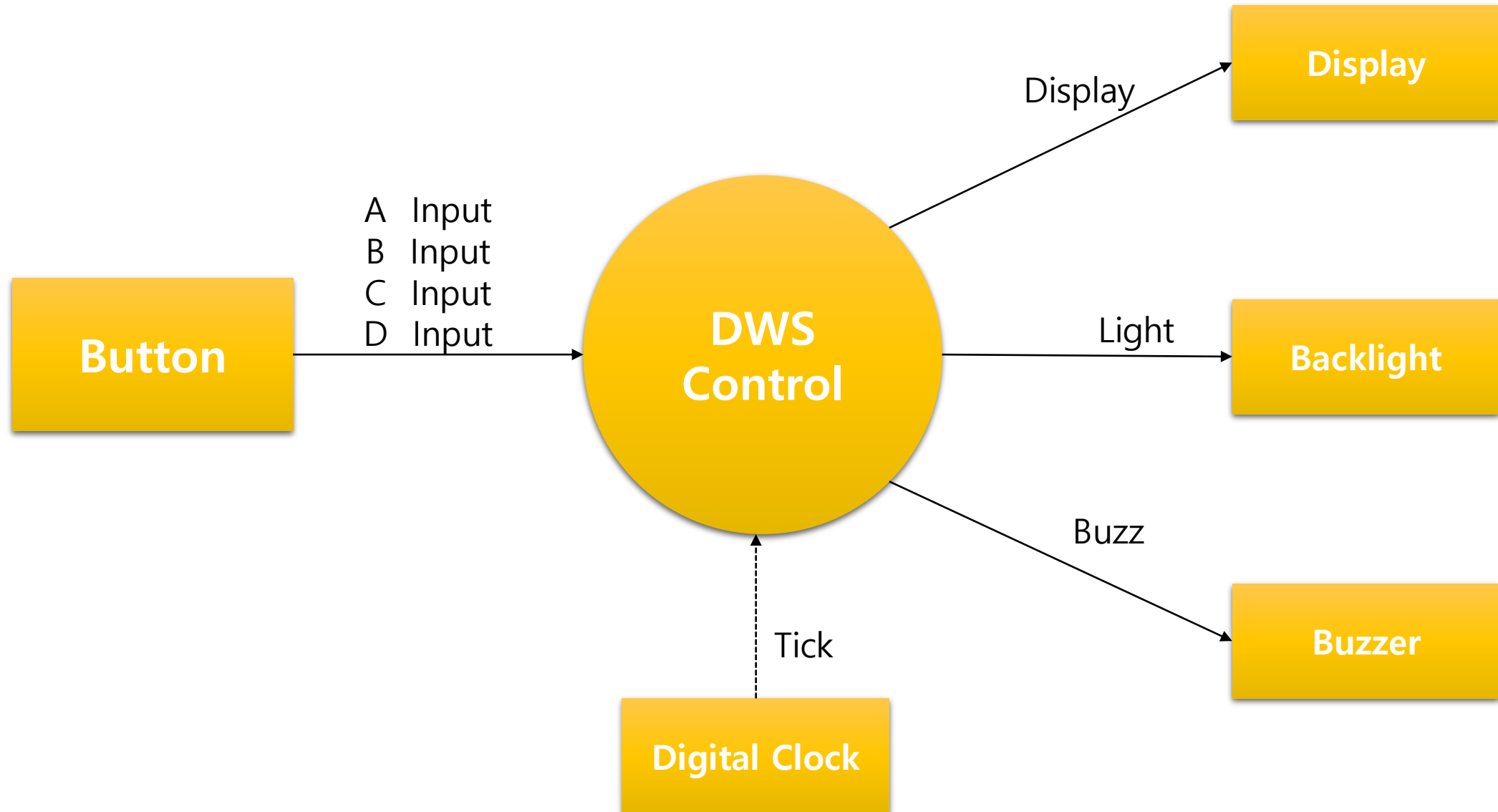
# Introduction to Software Engineering

## Team Project

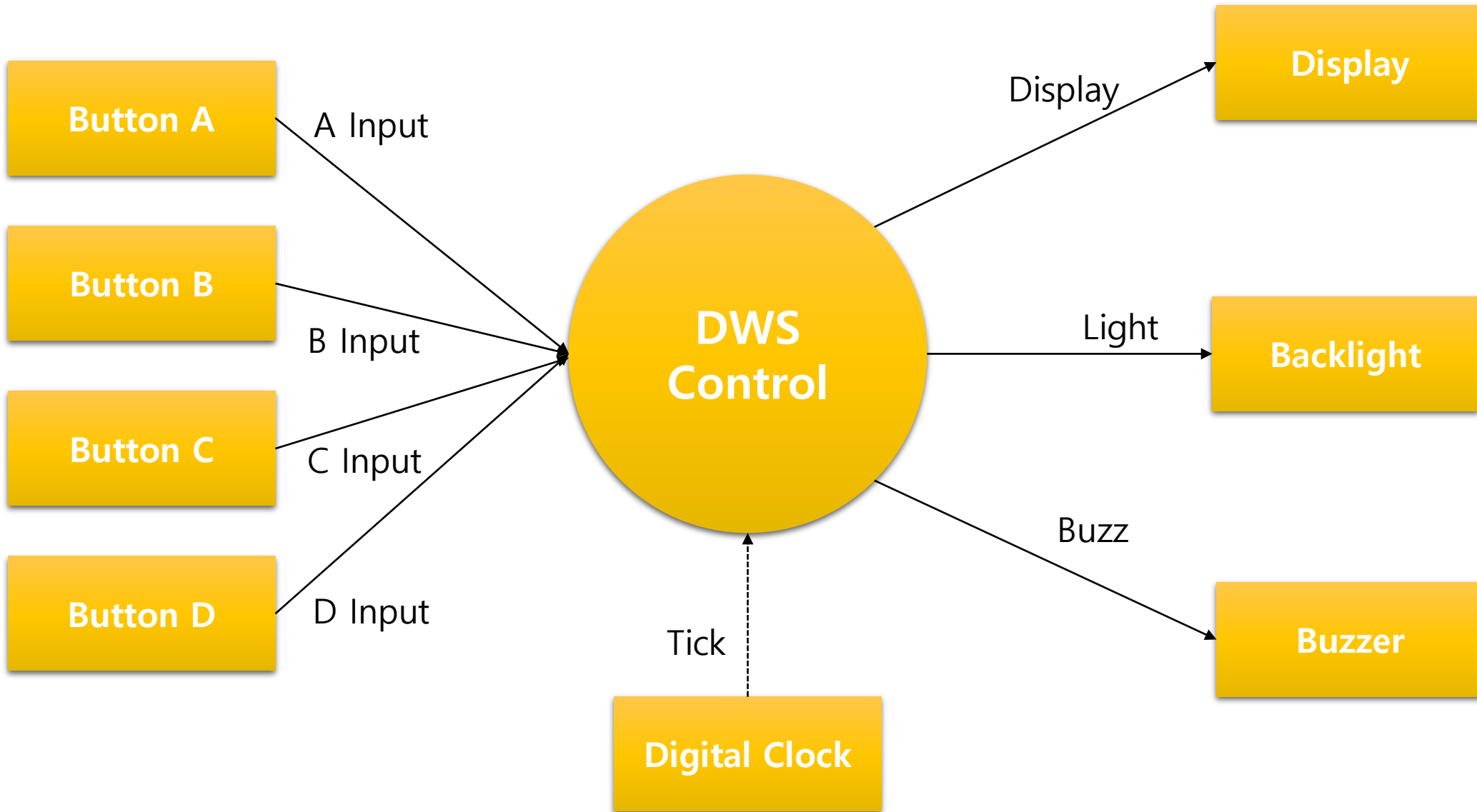
-Digital Watch SA-



# System Context Diagram



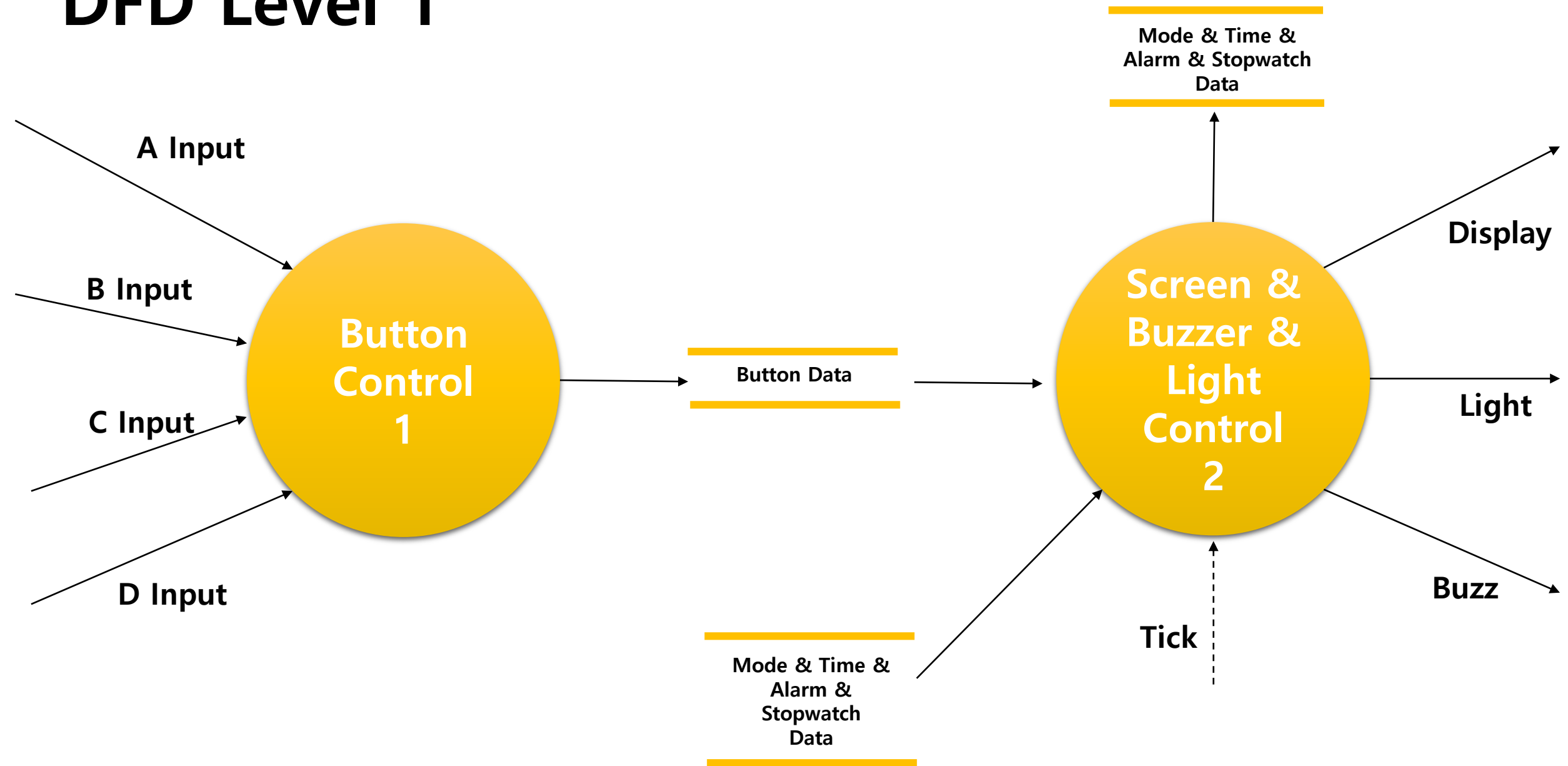
# DFD Level 0



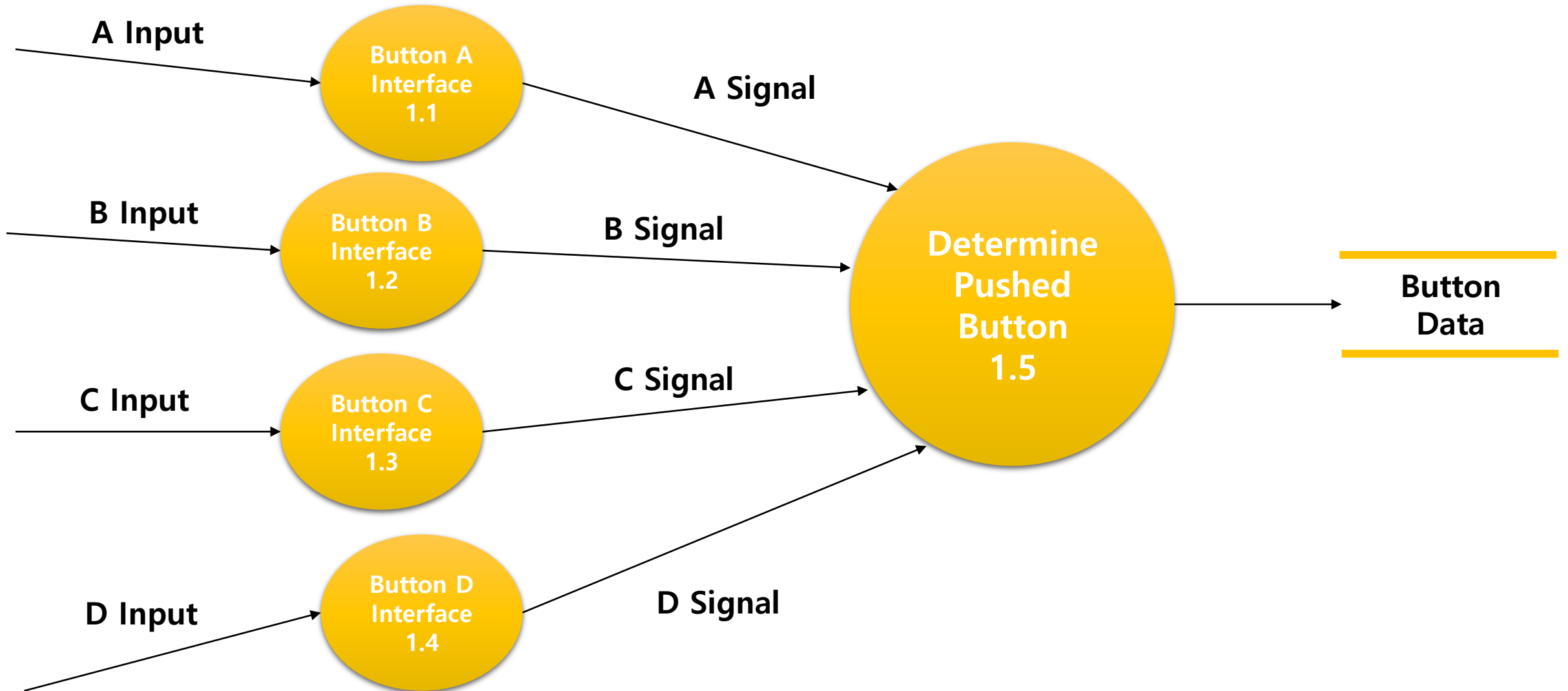
# Data Dictionary

Input / Output Event	Description	Format/Type
A Input	Button Input from user	Analogue(Electricity), Interrupt
B Input	Button Input from user	Analogue(Electricity), Interrupt
C Input	Button Input from user	Analogue(Electricity), Interrupt
D Input	Button Input from user	Analogue(Electricity), Interrupt
Display	Display time	Day of week/Month/Date/Hour/Minute/Second/Alarm Indicator/Mode Indicator
Buzz	Ring the alarm	Analogue(Sound)
Light	Turn the Backlight	Analogue(Light)

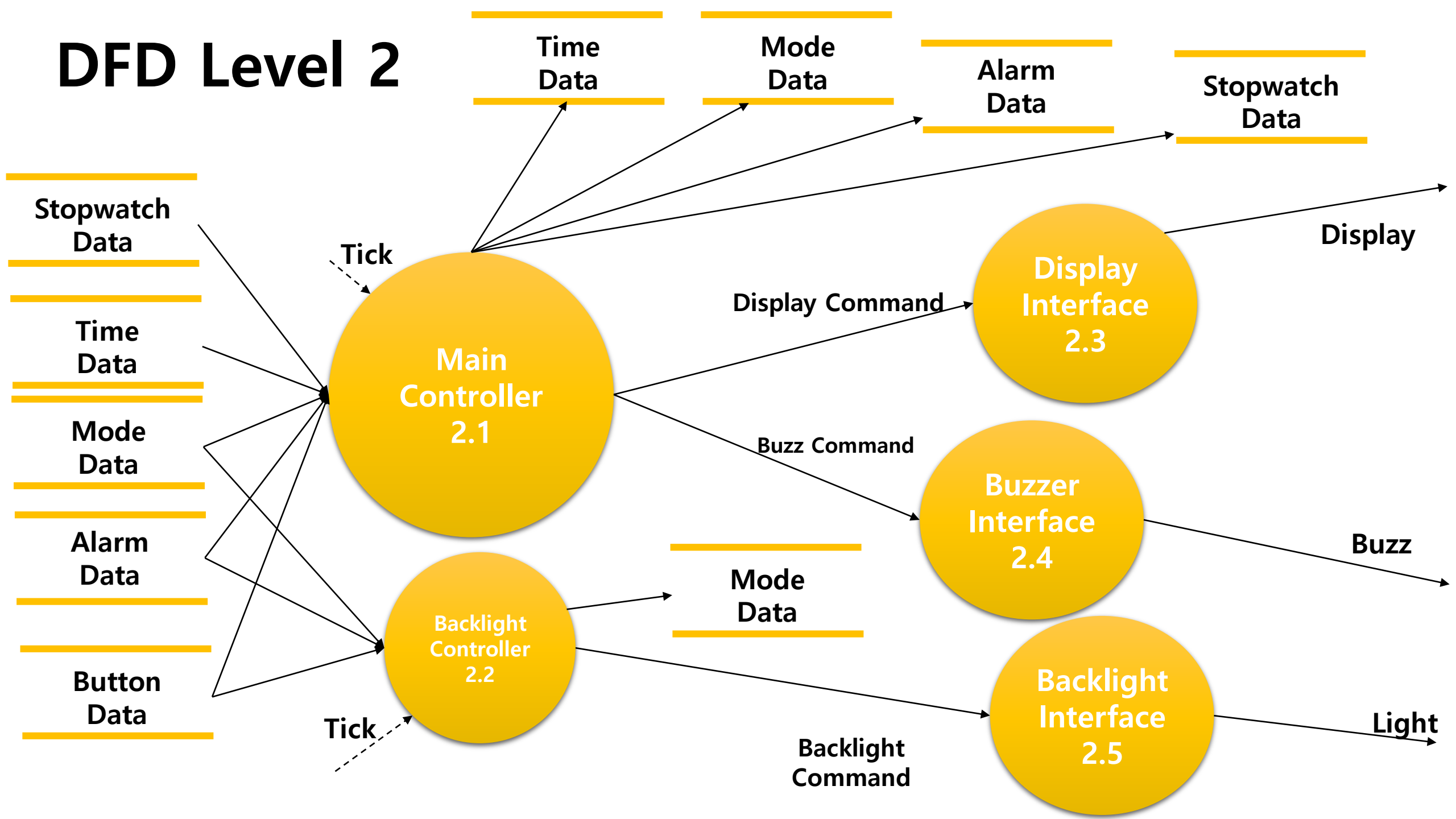
# DFD Level 1



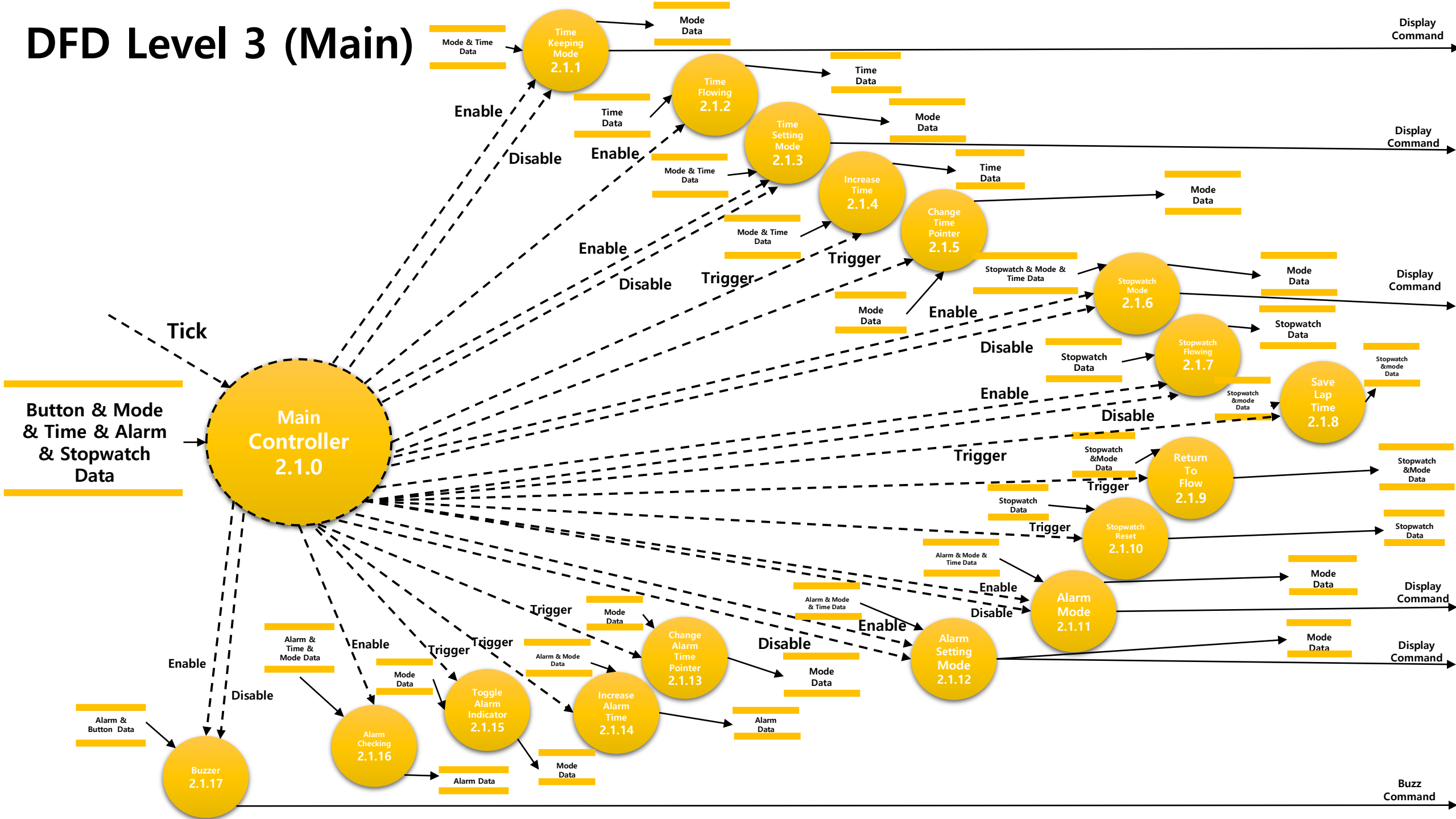
# DFD Level 2



# DFD Level 2

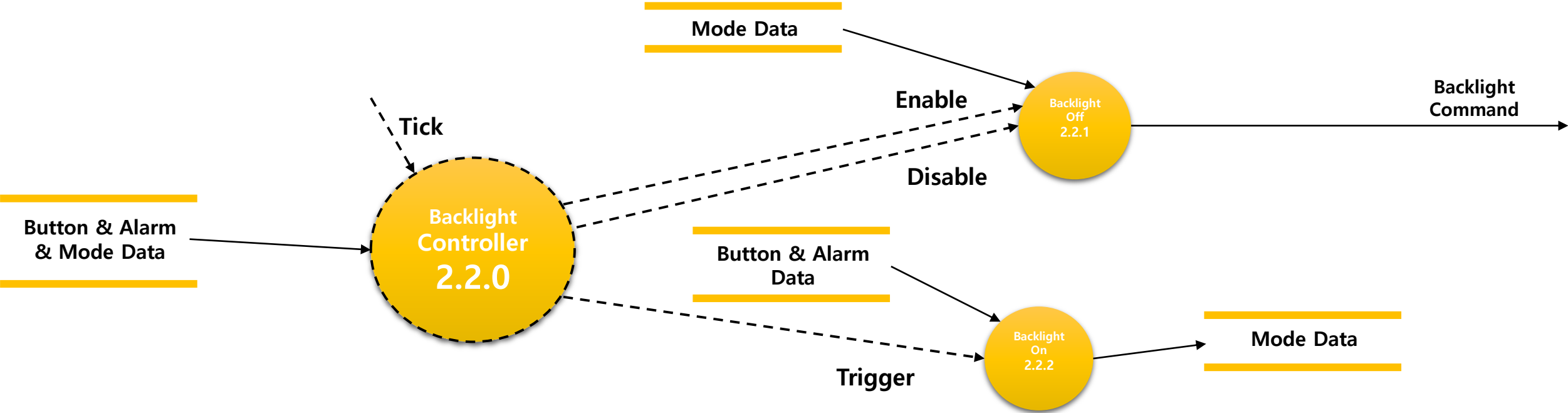


# DFD Level 3 (Main)

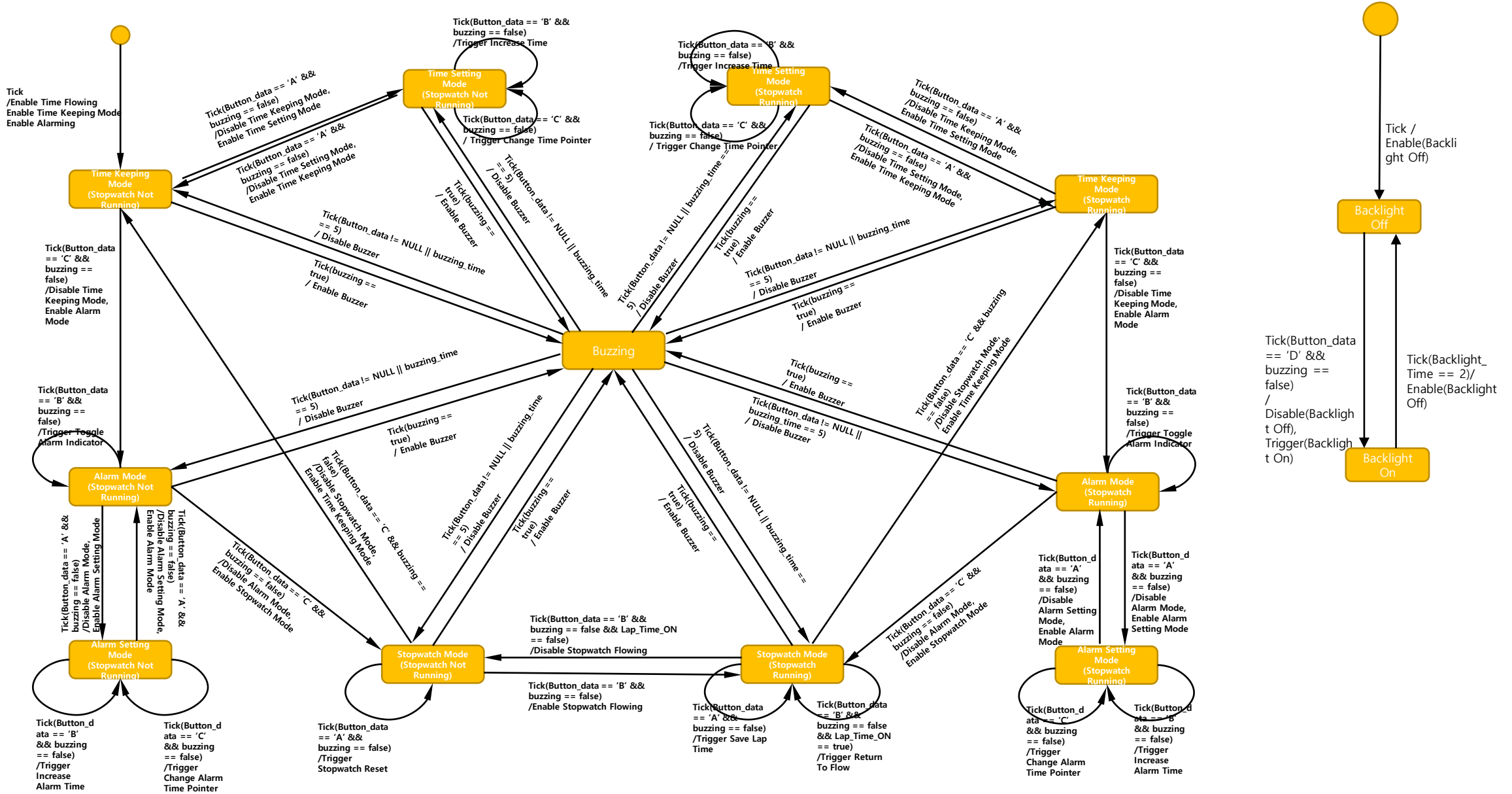




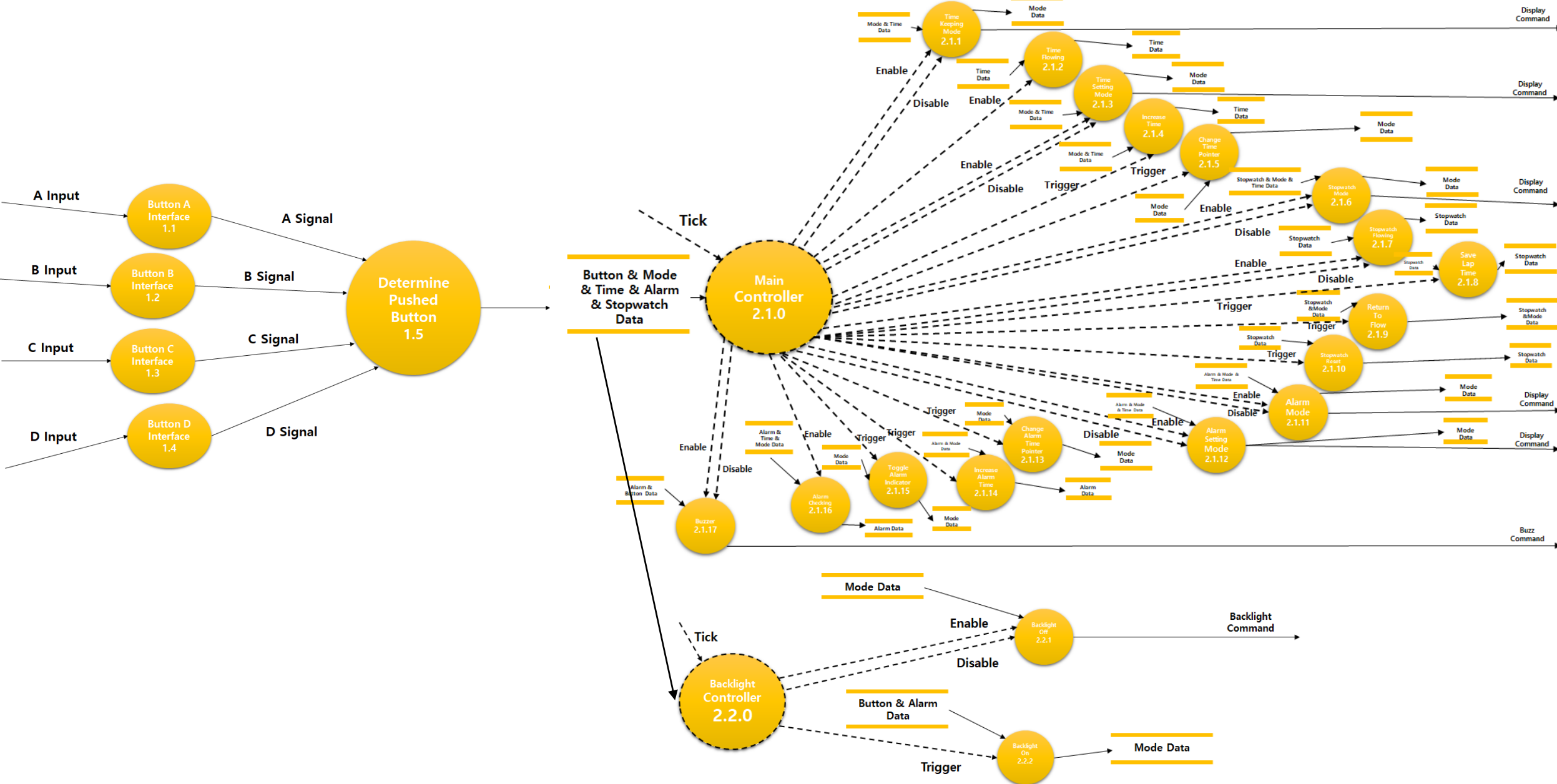
# DFD Level 3 (Backlight)



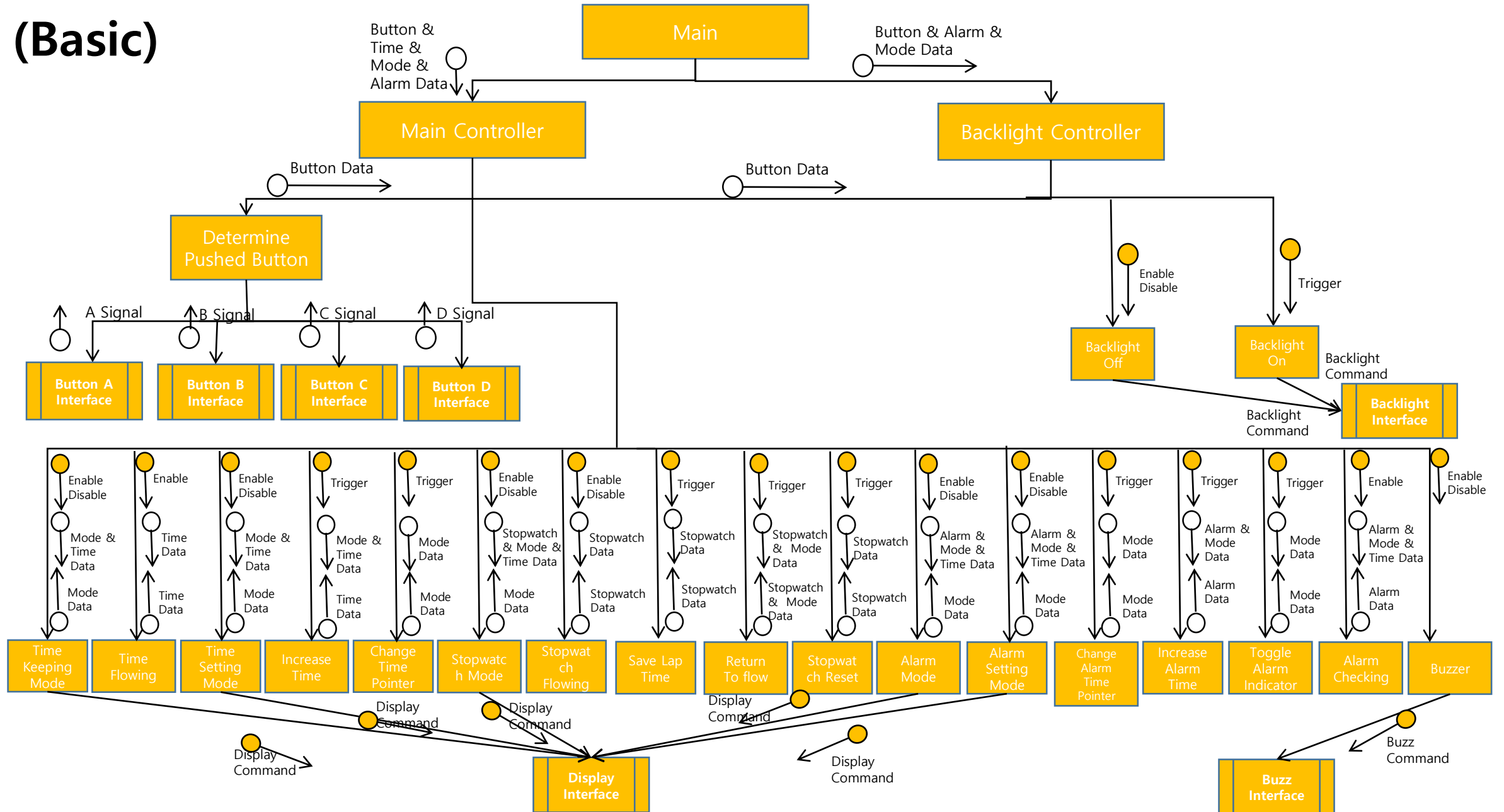
# DFD Level 4 (Display Controller / Backlight Controller)



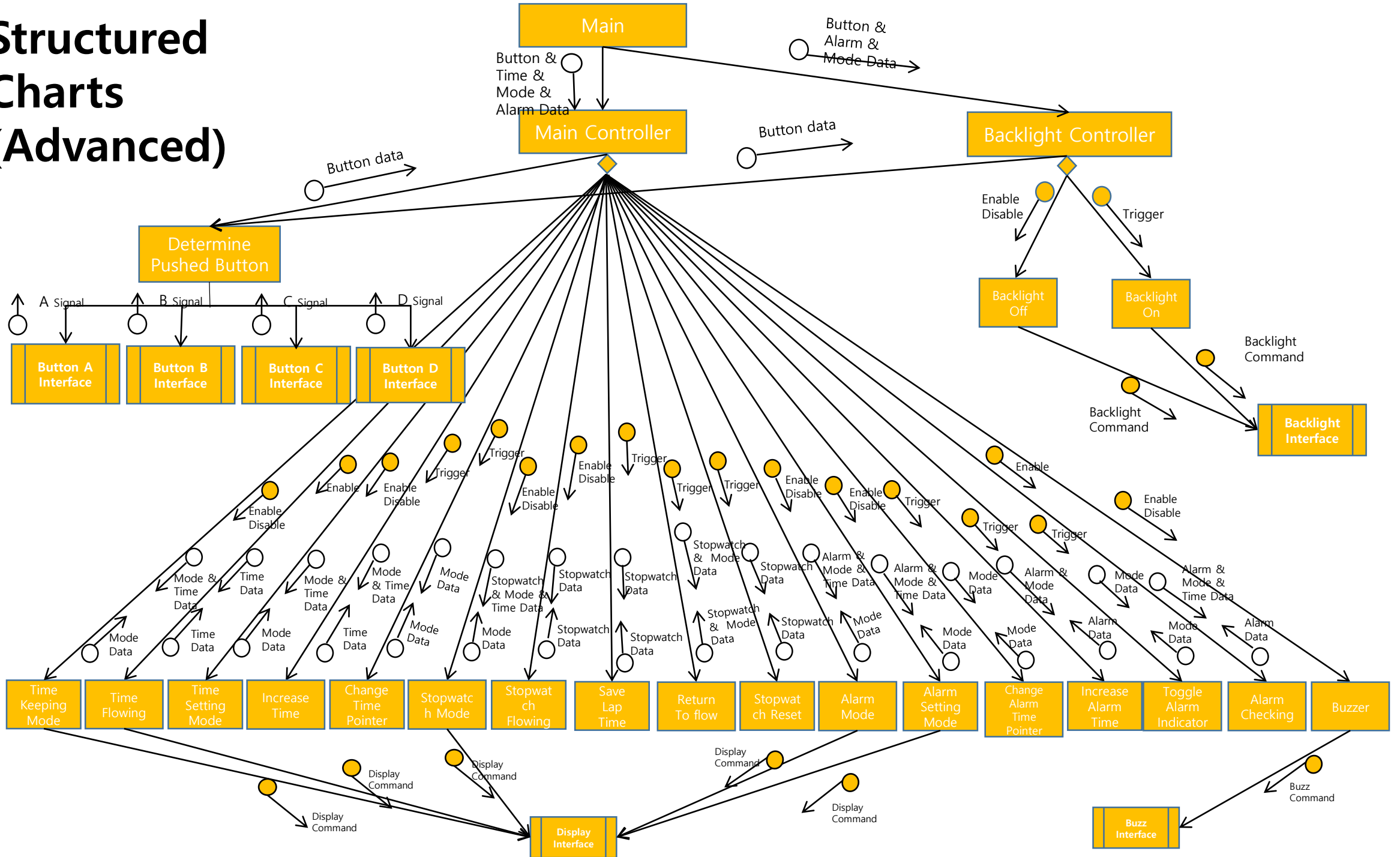
# Overall DFD



# Structured Charts (Basic)



# Structured Charts (Advanced)



**Thank You**