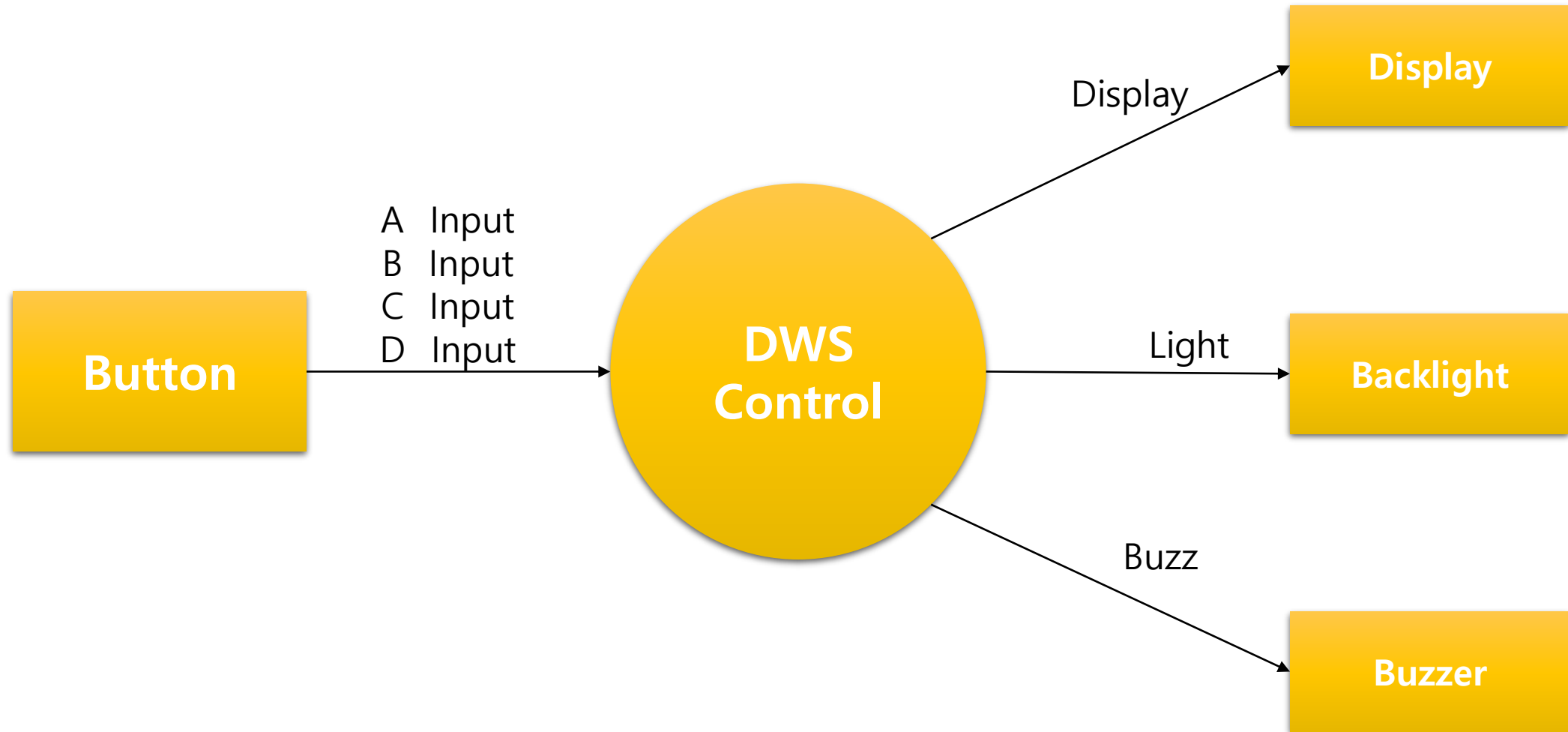
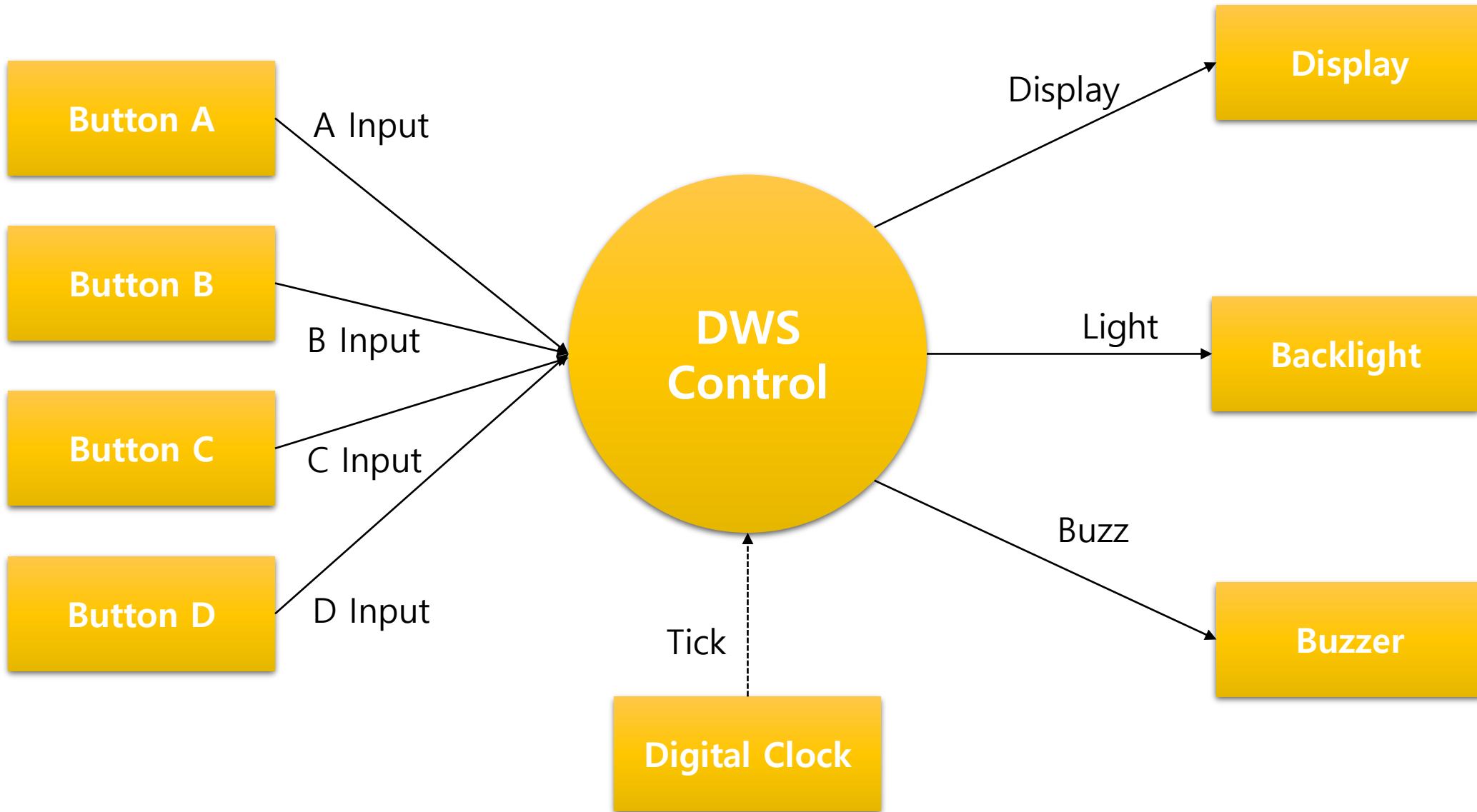


System Context Diagram



DFD Level 0



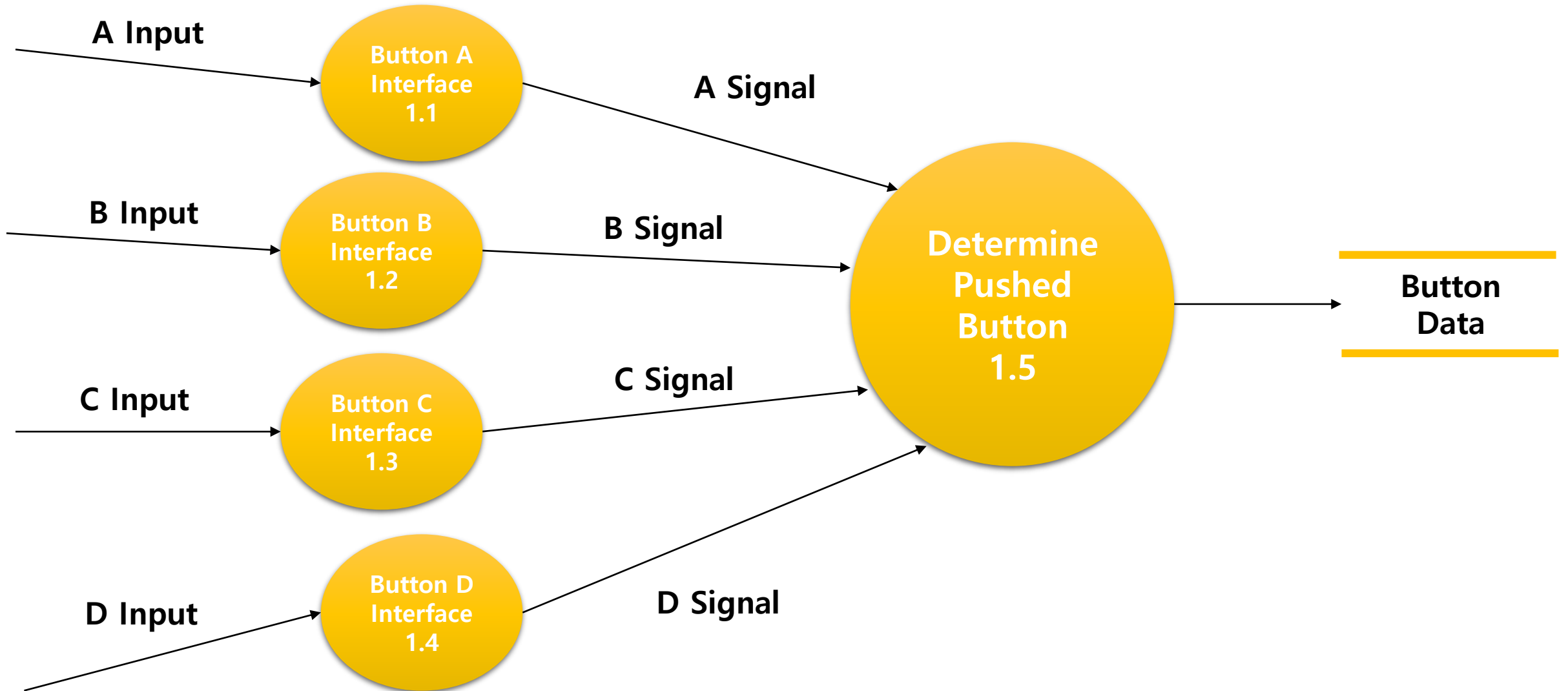
Data Dictionary

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)

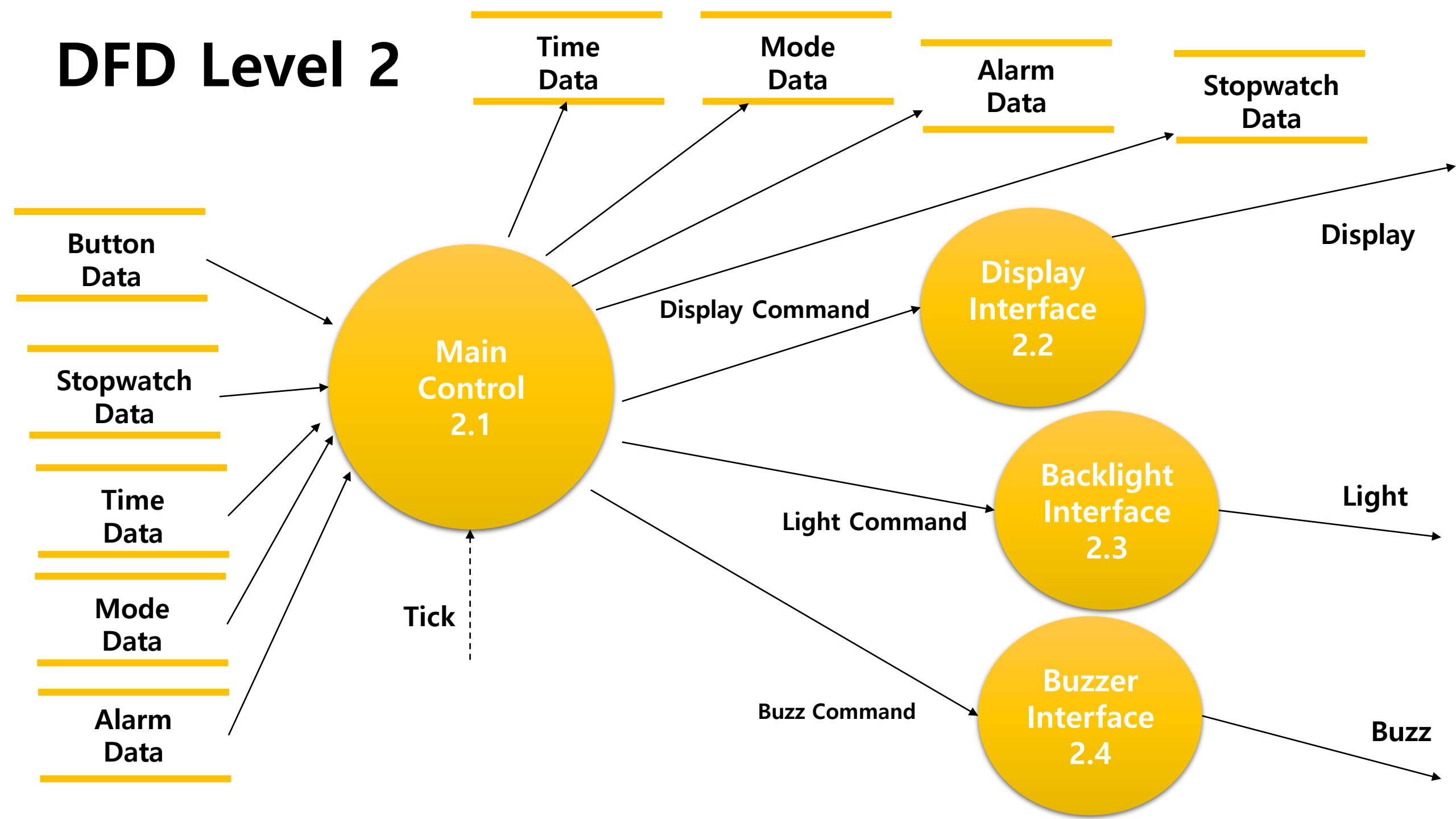
DFD Level 1



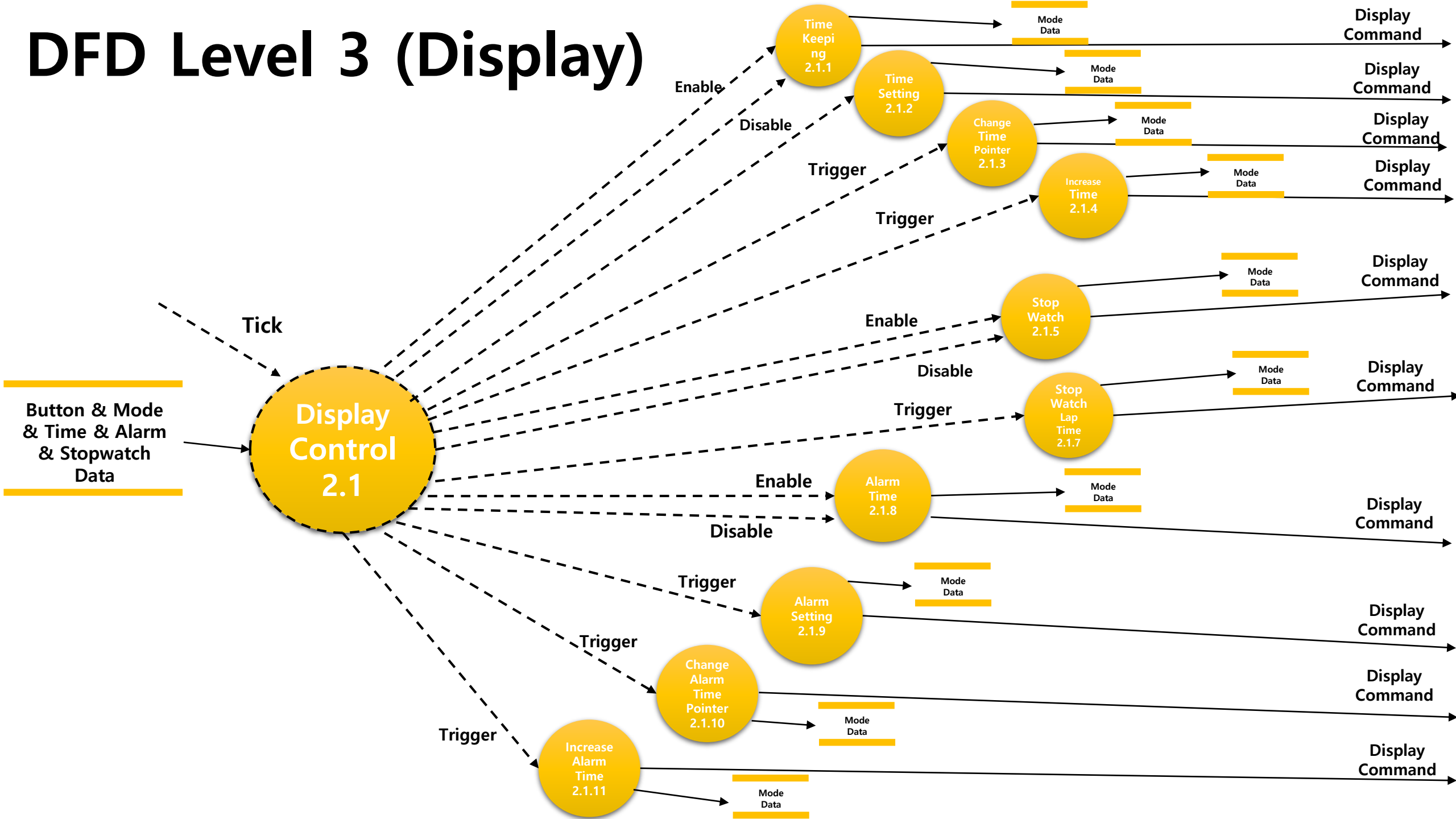
DFD Level 2



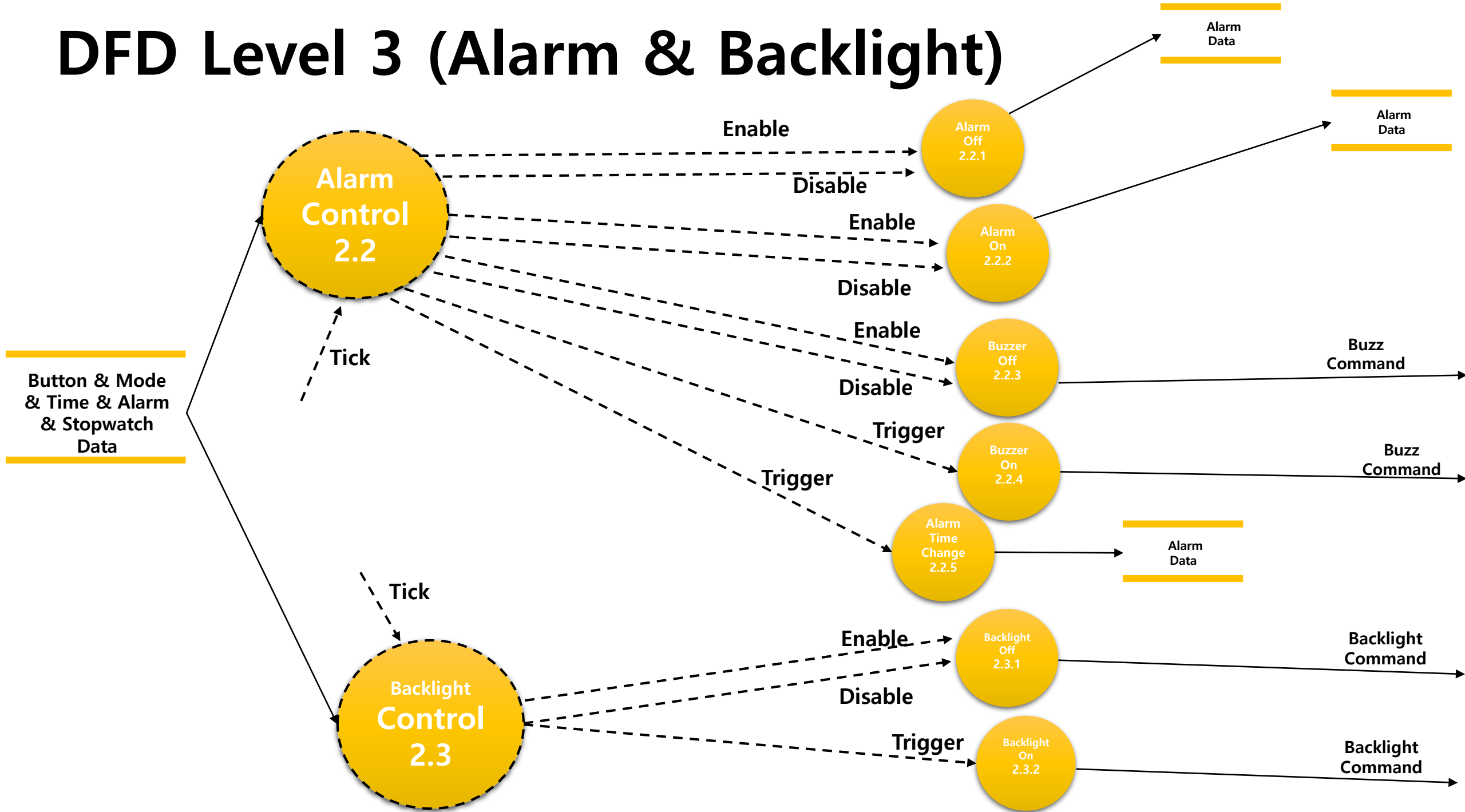
DFD Level 2



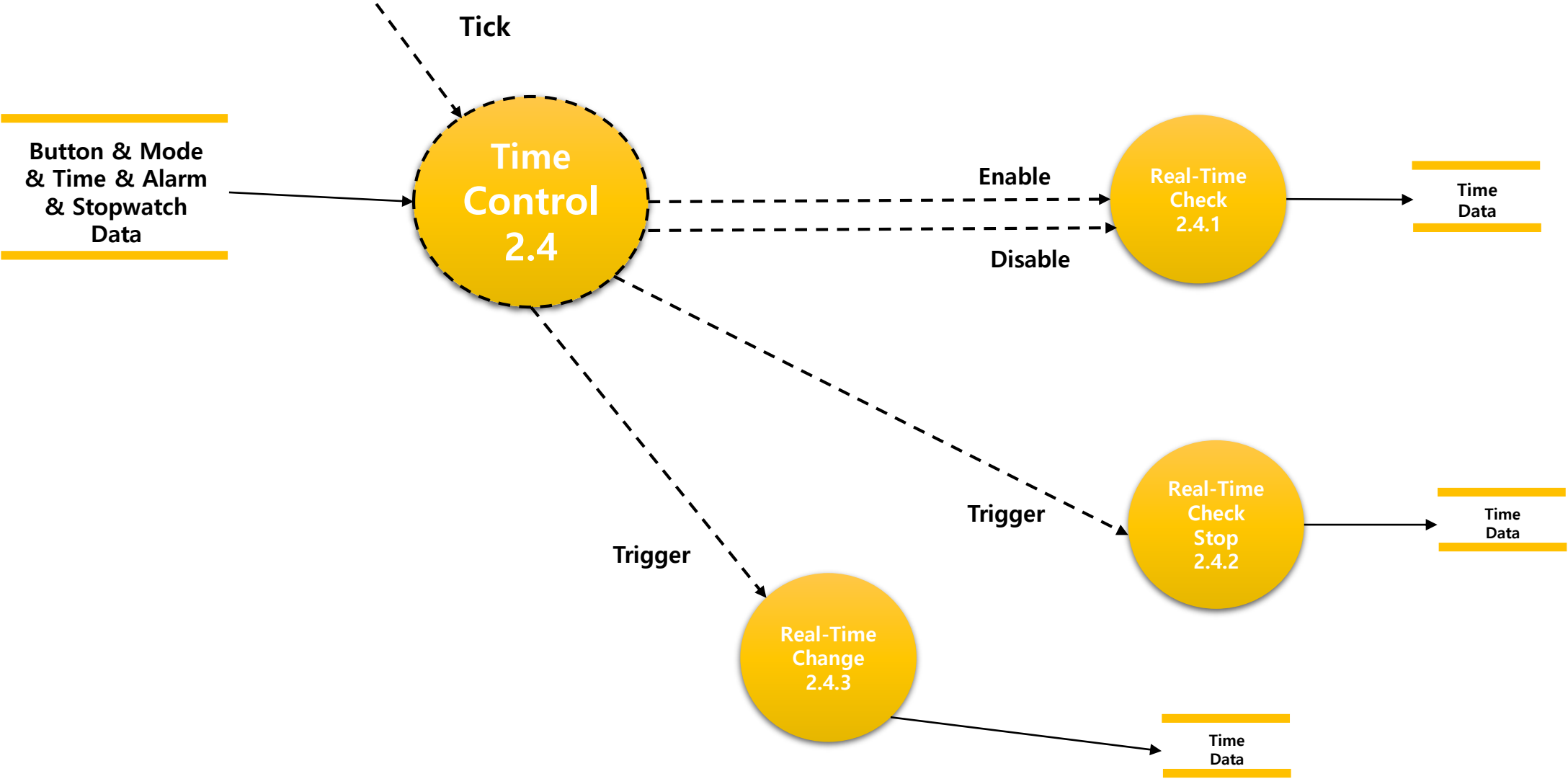
DFD Level 3 (Display)



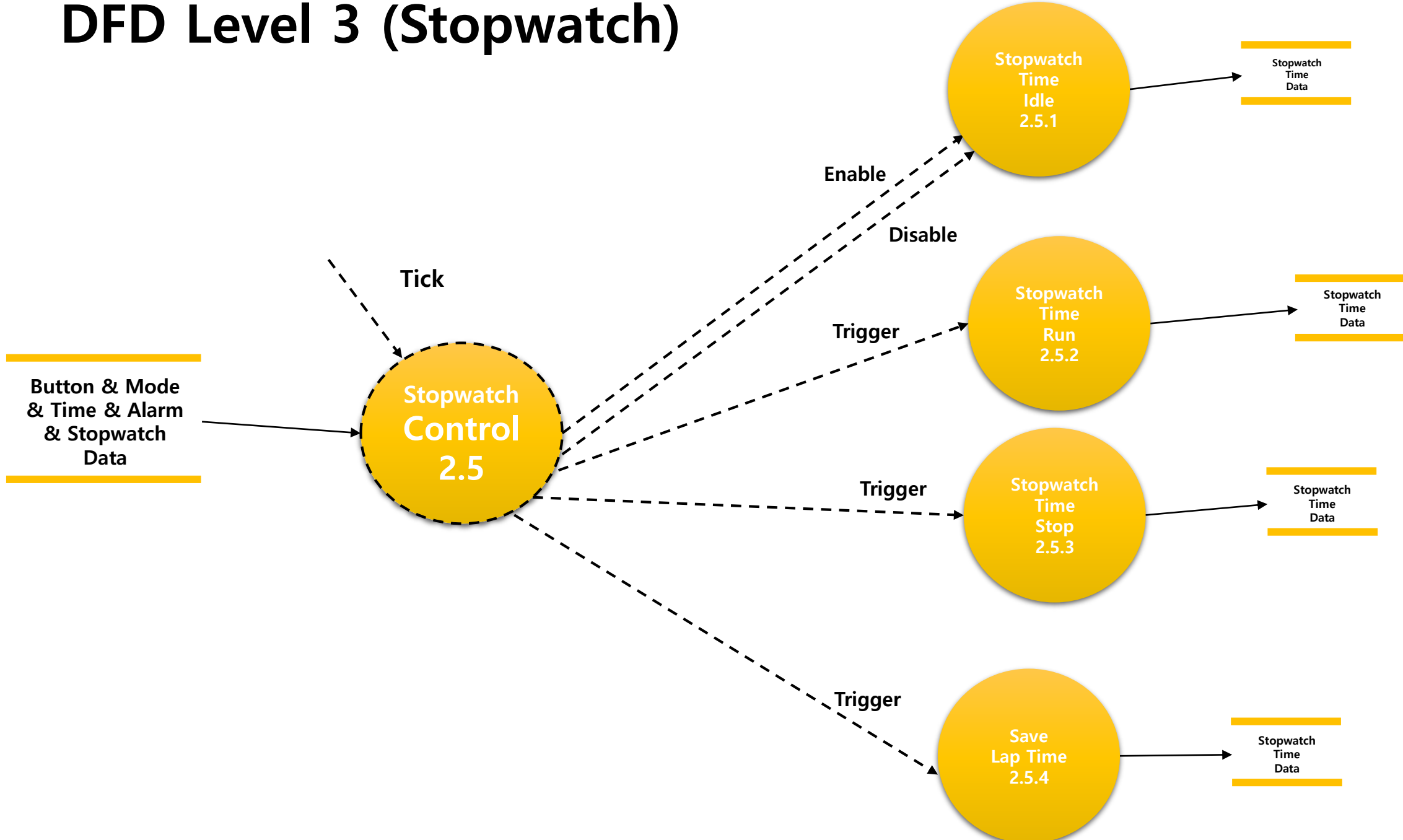
DFD Level 3 (Alarm & Backlight)



DFD Level 3 (Time)



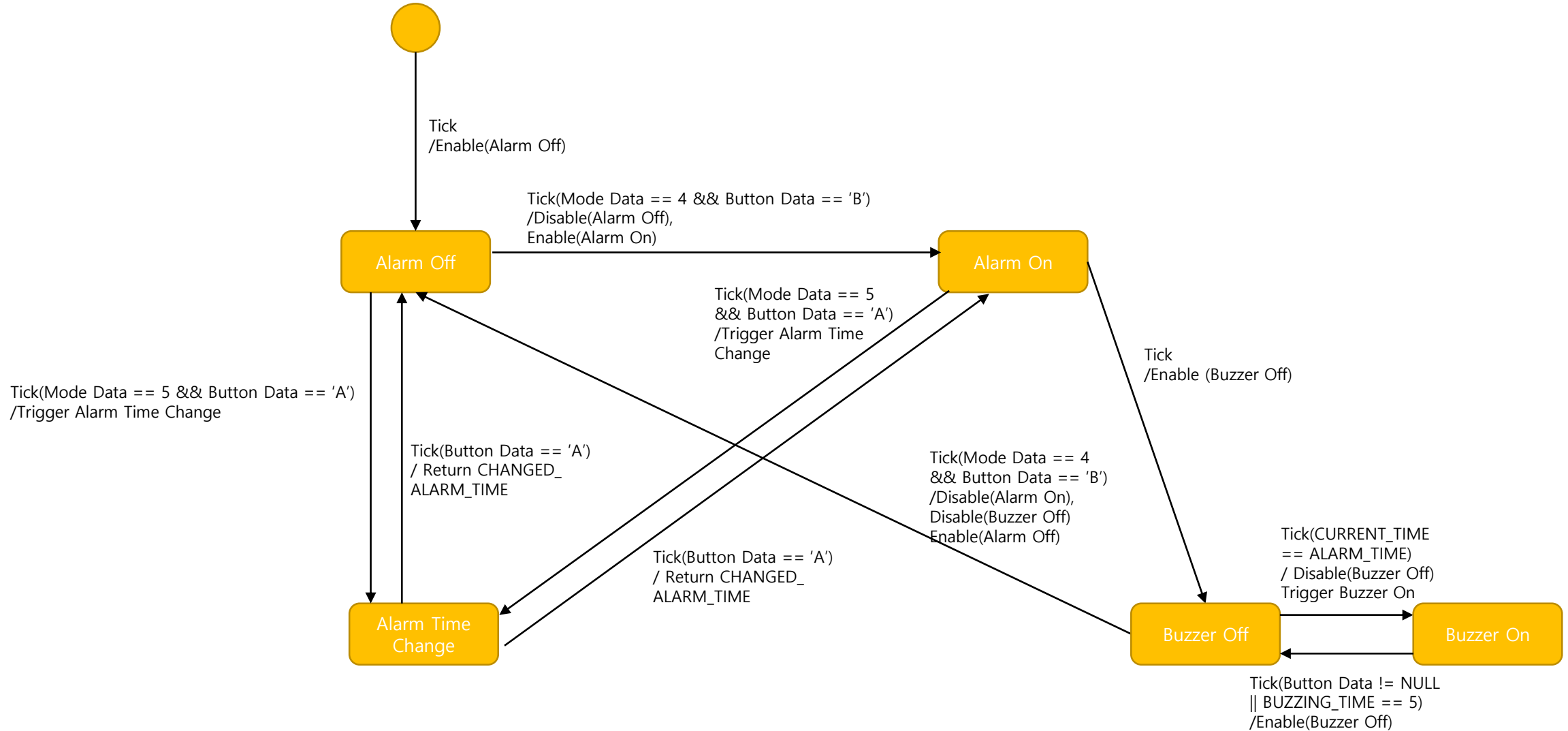
DFD Level 3 (Stopwatch)



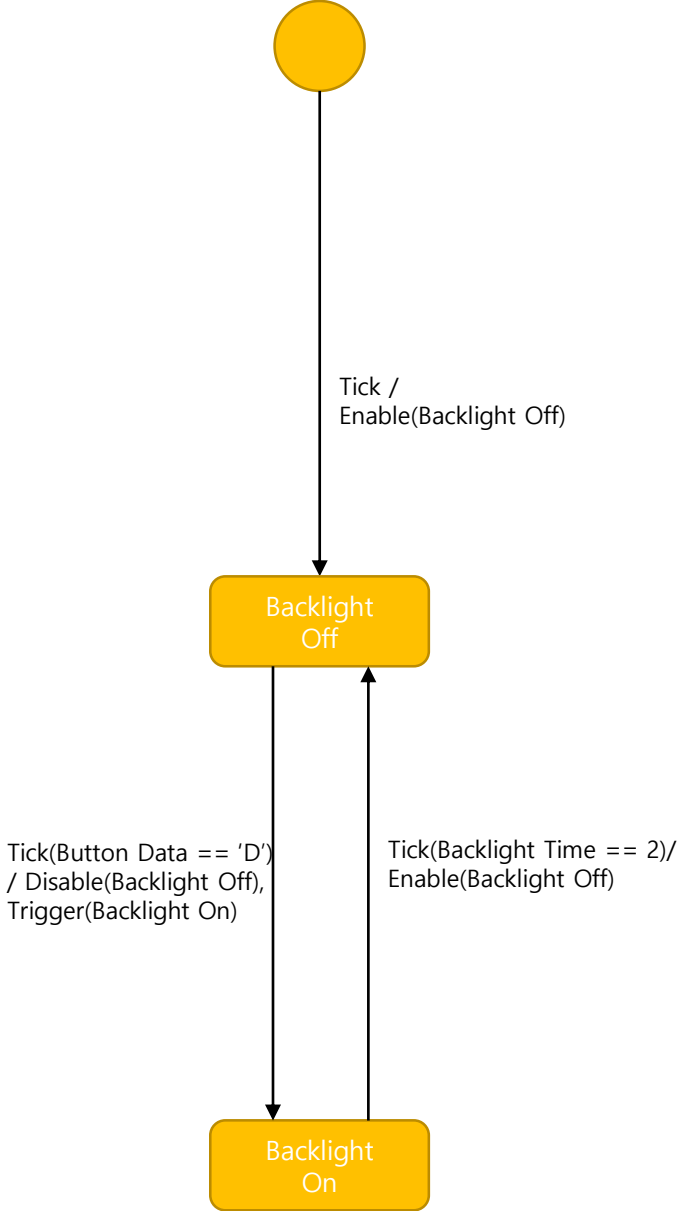
DFD Level 4 (Display Control)



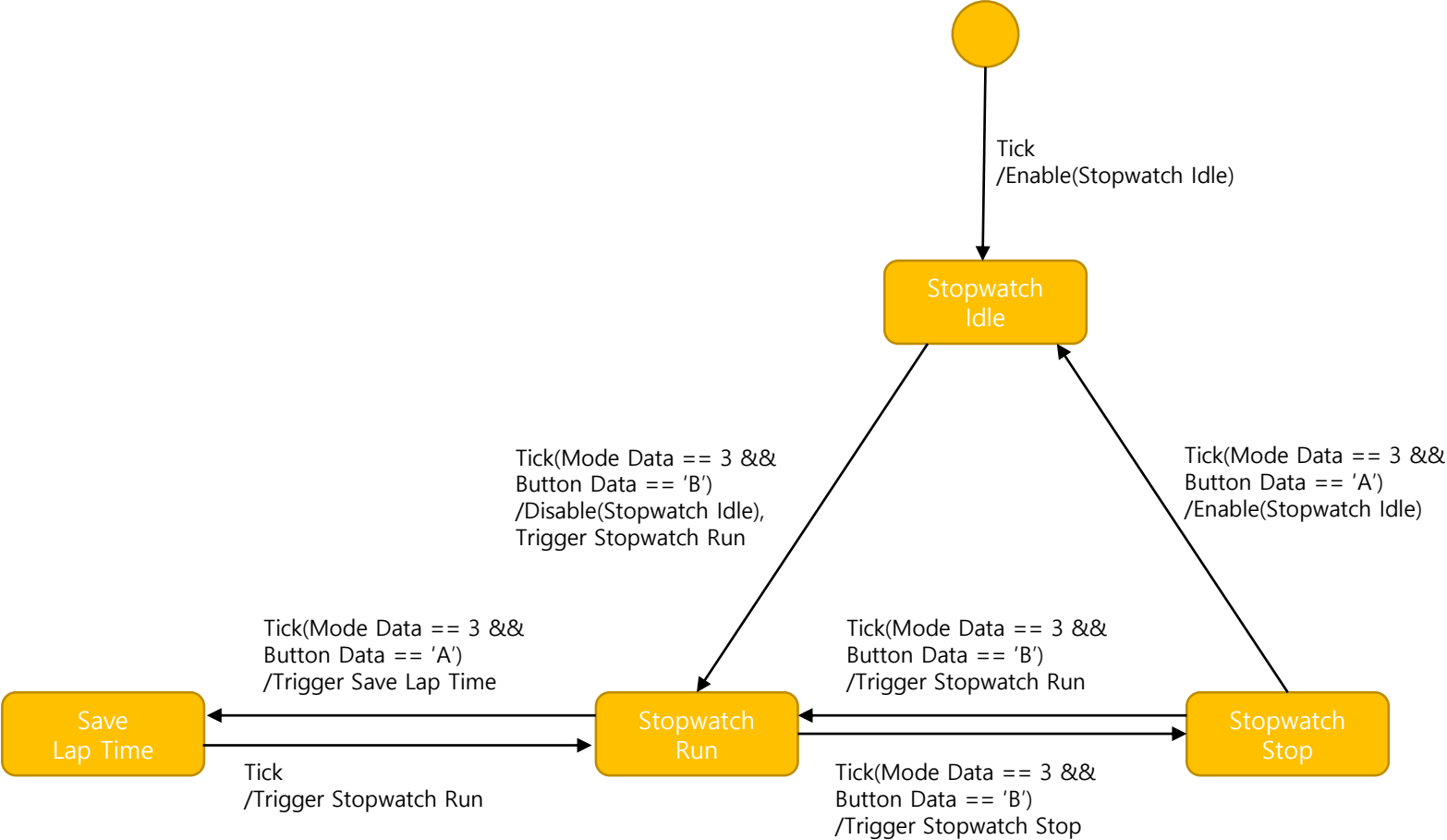
DFD Level 4 (Alarm Control)



DFD Level 4 (Backlight Control)



DFD Level 4 (Stopwatch Control)



DFD Level 4 (Time Control)

