Elapsed Timer Control Panel

The Sapling Elapsed Timer shall be designed to be used with any Sapling 3200 or 3300 model digital clock. It shall communicate with the clock using an RS485 connection and a dedicated RS485 protocol. It shall have slots which will allow it to be mounted on a standard gang box. The control panel shall have four button inputs, and up to four swappable plastic buttons. Each button input shall have a red LED and a green LED behind it, and each LED will activate or deactivate based on settings programmed into the clock. The signal sent by the control panel after a single button is pressed will activate a program in the clock that causes the clock to perform one (and only one) of a list of actions. This list of actions includes: No Action, Return to Time Display, Briefly Display Date, Go to Count Up and Hold, Go to Count Up and Start, Go to Countdown and Hold, Go to Countdown and Start, Reset, Start/Stop, Shift Digits, Flash Time, Relay 1, Relay 2, and "Code Blue"—a special purpose count up action for healthcare institutions. This allows for the control panel to command the clock to perform up to four actions, as one action can be applied to each button.