

# Chubb

## Quick Setup Guide

### Engine **Shutdown Delay Mode** (Applicable to FSM-ES only)

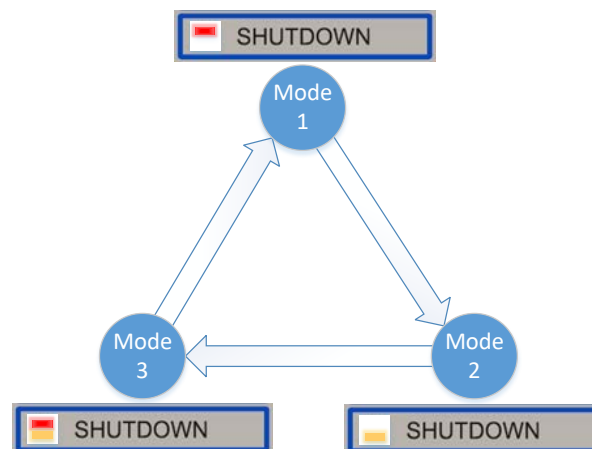
FSM-ES panel shutdown delay time is configurable via the 2-WAY DIP switch on the printed circuit board (PCB), which allows for four unique combinations of initial and extension delay time to be set. In FSM-ES firmware (F/W) version 1.1 and later, Shutdown Delay Mode has been introduced to support a wider range of time delay combinations. Each additional mode allows four new time delay combinations to be selected using the existing 2-WAY DIP switch. Table 1 summaries the Shutdown Delay Modes supported by each firmware version.

Firmware Version	Mode 1	Mode 2	Mode 3
1.0	<i>Shutdown Delay Mode is not supported. Shutdown delay time is selectable via DIP switch only (equivalent to Mode 1), delay times are as per Table 2.</i>		
1.1	✓ (Default)	✓	
1.2	✓ (Default)	✓	
1.3	✓ (Default)	✓	✓

**Table 1 - Shutdown Delay Mode Supported**

**To view the current configured Shutdown Delay Mode (F/W version 1.1 or newer):**

- 1- Hold down both the **DELAY** and the **DIM** keys simultaneously
- 2- The currently configured Shutdown Delay Mode is indicated by the **Shutdown LED's** as depicted in Figure 1.



**Figure 1 - Shutdown Delay Mode Indication**

**To change the shutdown delay time (F/W version 1.1 or newer):**

- 1- Select a shutdown time delay combination from one of the Shutdown Delay Mode tables (Table 2, Table 3 and Table 4) applicable to the panel firmware version.
- 2- Take note of the Shutdown Delay Mode number and the DIP switch settings.
- 3- Change the Shutdown Delay Mode to the required mode,
  - a. While the panel is powered and **not** in alarm, hold down the **DELAY** key.
  - b. Press the **RESET** switch (SW2) on the PCB once.
  - c. Wait (~3s) for Shutdown Delay Mode visual indication to come on as depicted in Figure 1.
  - d. If required, go back to **step b** to cycle through to the desire mode.
  - e. Release **DELAY** key.
- 4- Set the **DIP** switch state corresponding to the time combination selected.
- 5- Test the shutdown circuit to confirm the new delay times.

Engine Shutdown Delay Mode 1			
DIP SW 1	DIP SW 2	Initial Delay (Seconds)	Extension Delay (Seconds)
OFF	OFF	0	0
ON	OFF	15	15
OFF	ON	30 (Default)	30 (Default)
ON	ON	60	60

Table 2 - Shutdown Delay Mode 1

Engine Shutdown Delay Mode 2			
DIP SW 1	DIP SW 2	Initial Delay (Seconds)	Extension Delay (Seconds)
OFF	OFF	5	5
ON	OFF	5	10
OFF	ON	6	6
ON	ON	10	5

Table 3 - Shutdown Delay Mode 2

Engine Shutdown Delay Mode 3			
DIP SW 1	DIP SW 2	Initial Delay (Seconds)	Extension Delay (Seconds)
OFF	OFF	20	20
ON	OFF	30	0
OFF	ON	10	20
ON	ON	20	10

Table 4 - Shutdown Delay Mode 3

**NOTE:** The Shutdown Delay Mode configured is saved in non-volatile memory and will not change when external power is removed.