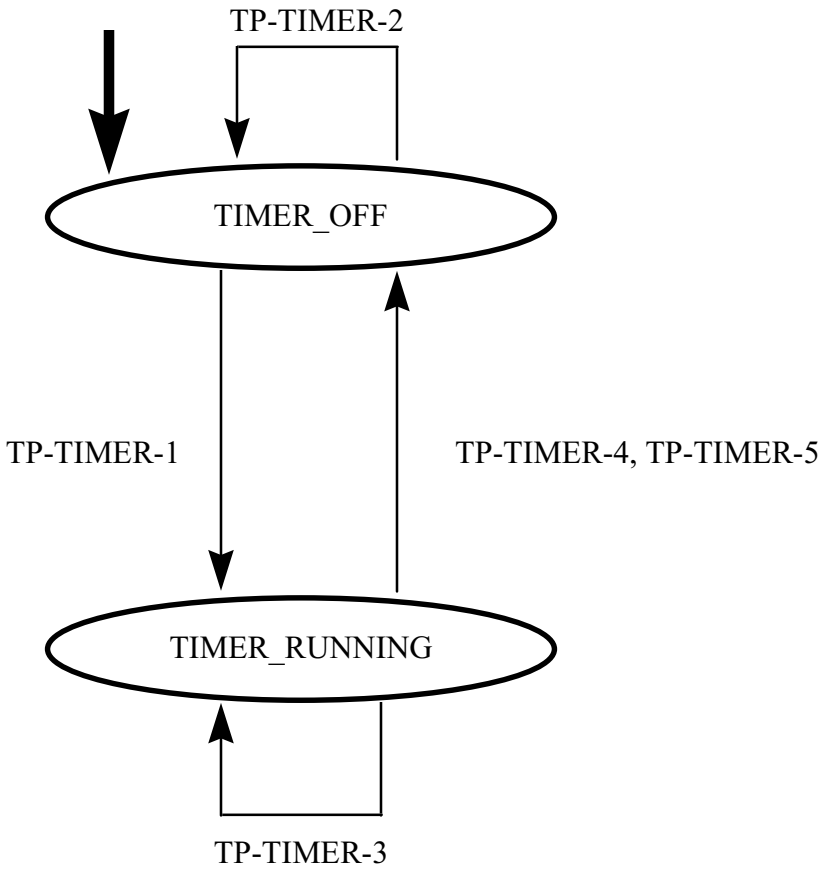Type 1 TP Timer: State Diagram