

ABSTRACT

The present invention relates to a smart snap hook device (100) comprising a 'D'-shaped hook body (101) having a primary side and a secondary side; an activation gate (107) disposed on the primary side of the 'D'-shaped hook body (101) having a spring action, and a conductive metal post (104) fitted to the both ends of the gate (107). The primary side of the hook body (101) is integrated with a PCB (110), comprising an alarming unit, that comprises a sensor unit, a buzzer (114), and at least a LED (113). The sensor unit is connected to the cellular device through a software module. The hook (100) sends an alarm signal to the cellular device of the supervisor upon disconnecting state of the hook, thereby ensuring safety of the workers while performing work at height.

Figure 1