AN INTERLOCKING SYSTEM AND METHOD FOR CONNECTING AN AUTOMATION CONTROLLER AND A PROGRAMMABLE MODULE

ABSTRACT

[0076] An interlocking system for connecting a programmable module and an automation controller of an industrial control and automation system is provided. The interlocking system includes a key comprising a shaft with a head and a first attachment feature. The interlocking system also includes a first keyhole in a programmable module cover. The first keyhole is configured to enable the head to pass upwardly there through. The interlocking system also includes a second keyhole in an automation controller cover. The second keyhole is configured to enable the first attachment feature to slide downwardly there through such that disengagement of the key from the second keyhole is resisted. The interlocking system also includes a second attachment feature on a lower surface of the automation controller cover. The second attachment feature is configured to engage with the first attachment feature when the first attachment feature is rotated about an axis of the shaft.

Figure 3