

KEY OVERRIDE MONITORING FACILITY FOR A LOCK ASSEMBLY

ABSTRACT

A key override monitoring facility for use with a key-operated cylinder lock of a lock assembly. The monitoring facility includes a housing (204) within
5 which is mounted a microswitch (201) for operating a monitoring circuit. The housing (204) includes a ramp surface (205) which retains and over which a small diameter ball (207) slides. In use, the assembly is mounted in a lock assembly such that a plug lever attached to the barrel of the cylinder lock bears on ball (207) which in turn holds the microswitch (201) operating lever
10 (208) closed. When the cylinder lock is operated by a key, the plug lever is moved aside thus freeing ball (207) and allowing it to move along ramp surface (205) by the bias force exerted on it by the microswitch operating lever (208), thereby allowing the microswitch (201) to open. The monitoring facility provides the advantage that it can be used for either clockwise or anticlockwise
15 turning cylinder locks. Also, the monitoring facility does not require as accurate positioning of a microswitch relative to a cylinder lock as when the lock directly operates the microswitch. [Fig. 12].