



FERROCODE MAGNETIC SAFETY SWITCH INSTALLATION MANUAL

INTRODUCTION

These reed-type switches are magnetically actuated and offer noncontact reliability along with tolerance for misalignment. They are totally submersible, which makes them ideal for environments where hygiene is important. Each switch is supplied with a prewired 13-foot cable.

INSTALLATION

Mount the switch and actuator on nonferrous materials, using the screws provided. The gap between the switch and actuator should be 2mm (see Figure 1). Align the targets and mount the switch and actuator so they will be parallel when the guards close (see Figure 2). When mounting more than one safety switch, make sure they are minimum of 50 mm apart (see Figure 3).



Figure 1

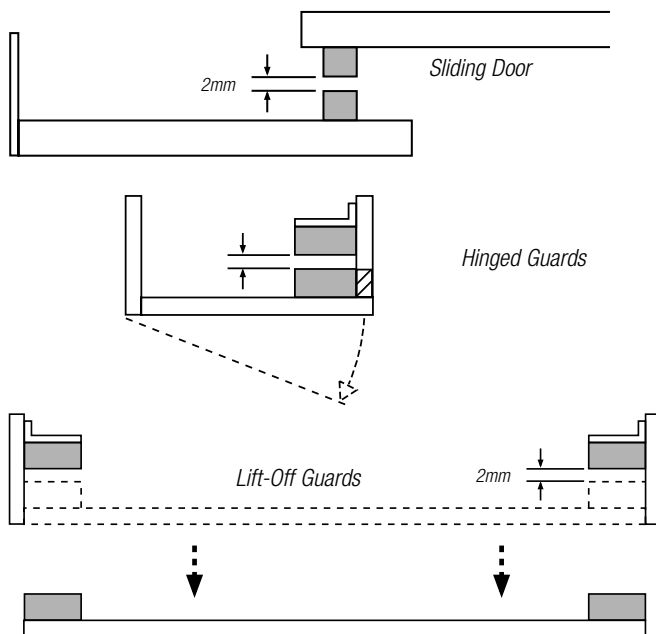


Figure 2

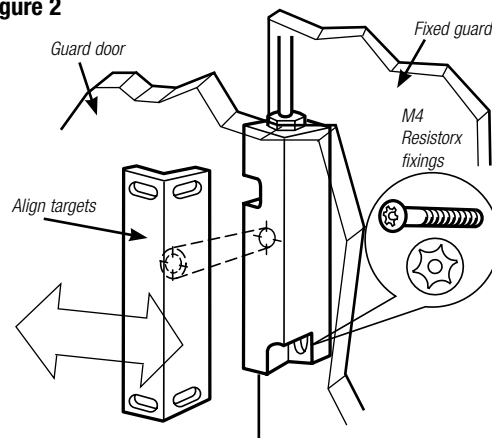
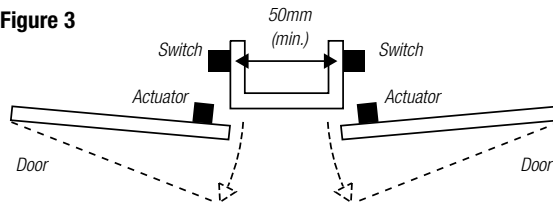


Figure 3



CAUTION

The actuator must not strike the sensor.

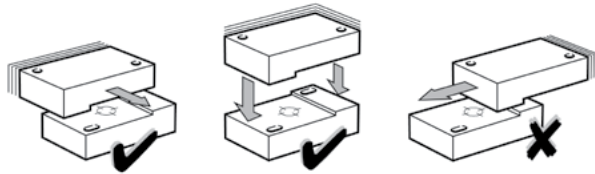
CAUTION

Use of anaerobic thread-locking compounds can have a detrimental affect if they come into contact with the plastic switch case.

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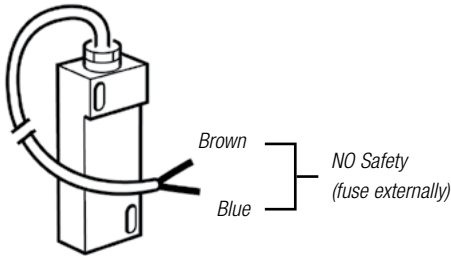
FORROGARD MAGNETIC SAFETY SWITCH

Ways to Actuate Switch

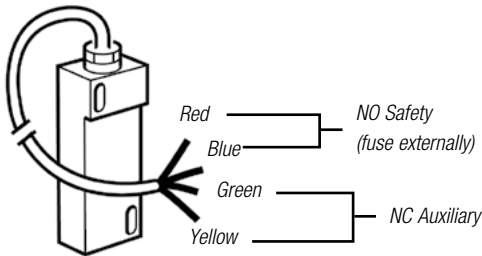


Connection Diagrams

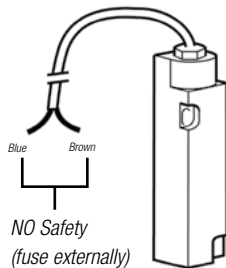
CMC094



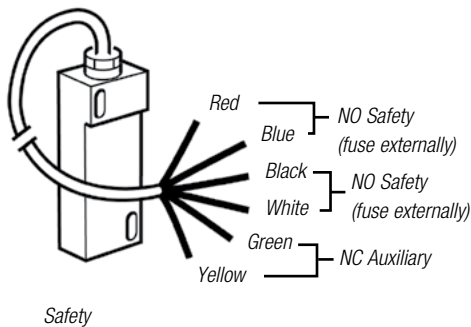
CMC095



CMC097



CMC098



Safety contacts are normally open (NO) when the actuator is not actuating the switch.

TECHNICAL SPECIFICATIONS

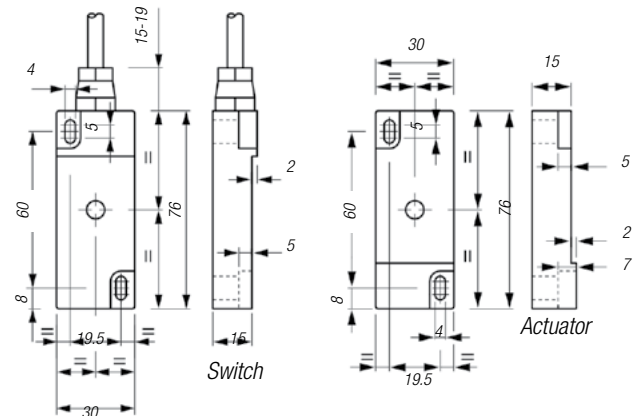
Rated Current.....2 A, fuse externally 1.6 A quick acting
 Rated Voltage 250 VAC
 Safety Contact Operating Distance
 Make 0.47" (12 mm), Break 0.91" (23 mm)
 Operating Temp..... 14°F to 149°F (-10°C to 65°C)
 Cable: 13 feet of prewired 2-conductor flexible
 cable (CMC094/CMC097)
 Cable: 13 feet of prewired 4-conductor
 flexible cable (CMC095)
 CMC097 3.3" H x .75" W x .6" D
 (84 H x 19 W x 16 D mm)
 CMC098: 3" H x 1.2" W x .6" D
 (76 H x 30 W x 15 D mm)

SPARE PARTS

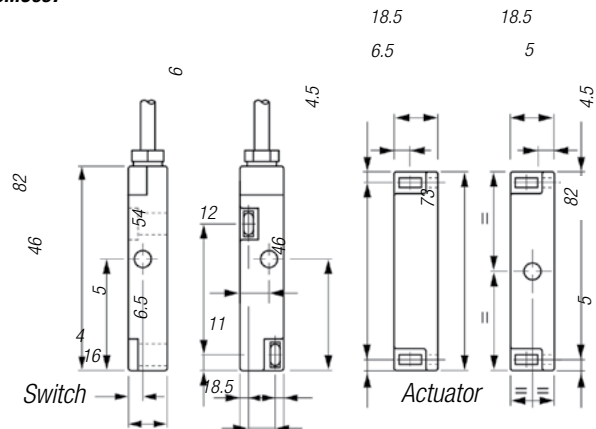
CMK096 — Spare actuator for CMC094, CMC095, and CMC098

CMK075 — Spare actuator for CMC097

CMC094, CMC095, and CMC098



CMC097



(Dimensions shown are in millimeters)