Installation Instructions

Original Instructions

Allen-Bradley

GuardMaster®

Solenoid Key Release Unit - SRUE

Catalog Numbers 440T-MSRUE10*x*, 440T-MSRUE11*x*, 440T-MSRUE12*x*, 440T-MSRUE13*x*, 440T-MSRUE14*x*, 440T-MSRUE20*x*, 440T-MSRUE22*x*, 440T-MSRUE23*x*, 440T-MSRUE24*x*, 440T-MSRUE30*x*, 440T-MSRUE33*x*, 440T-MSRUE34*x*, 440T-MSRUE35*x*, 440T-MSRUE40*x*, 440T-MSRUE44*x*, 440T-MSRUE46*x*

Introduction

Installation must be in accordance with the following steps and stated specifications and implemented by suitably competent personnel. This device is intended to be part of the safety-related control system.

Before installation, perform a risk assessment to determine whether the specifications of this device are suitable for all operational and environmental characteristics of the machine to which it is to be fitted.

At regular intervals during the life of the unit, check whether these characteristics remain valid and inspect the device for evidence of accelerated wear, material degradation, or being tampered with. If necessary, replace the device. The manufacturer cannot accept responsibility for a failure of this device if the procedures are not implemented or if it is used outside the recommended specifications of this sheet document.

Adherence to the recommended maintenance instructions forms part of the warranty.

WARNING: Do not defeat, tamper, remove, or bypass this unit. Severe injury to personnel can result.

Maintenance

Frequency	Description
Every week	Check the correct operation of the switching circuit. Also check for signs of abuse or manipulation. Inspect the unit for damage. Replace the unit if damage is apparent.
At least every six months	Isolate all power. Check for any sign of wear or damage, for example, cam assembly wear, contact oxidization and replace if apparent. Clean out any accumulation of fine dirt and so on. Lubricate code barrel assembly with light oil or spray (for example, WD-40) or alternative product suitable for application. Assessment of operating environment can require the unit to be lubricated more frequently. Reinstate the power and check for correct operation.

Repair

If there is any malfunction or damage, do not attempt to repair. Replace the unit before machine operation is allowed.

IMPORTANT Do not dismantle the unit.

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Declaration of Conformity

The Declaration of Conformity is to declare that the products that are shown in this document conform with the Essential Health and Safety Requirements (EHSRs) of the European Machinery Directive (2006/42/EC), and the relevant requirements of the Low Voltage Directive (2014/35/EU). These products also conform to EN 60947-5-1, EN 14119, EN 60204-1, and have third-party approval from TÜV.

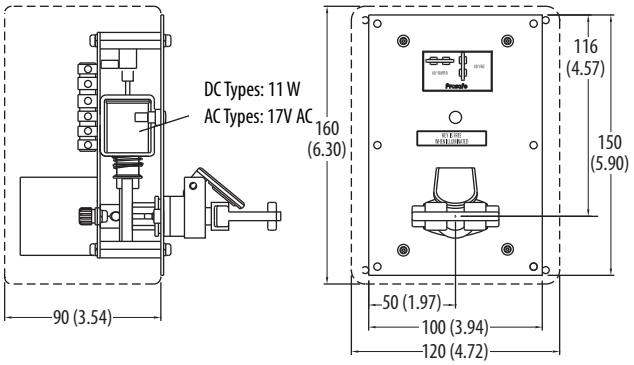
For a comprehensive certificate, visit rok.auto/certifications.

Specifications

Attribute	Value
Key Free SRUE10, SRUE20 & SRUE30, SRUE40 SRUE11, SRUE22 & SRUE33, SRUE44 SRUE12, SRUE23 & SRUE34 SRUE13, SRUE14 & SRUE46 SRUE24 & SRUE35	Contacts 4 N.O. (20 A) 2 N.O. / 2 N.C. 4 N.O. (32 A) 3 N.O. / 3 N.C. (20 A) 4 N.O. (63 A)
Solenoid Voltage Options	24V DC (11 W) 110V AC and 230V AC (17VA)
Solenoid Monitoring	Two switches, 2 N.C.
Mechanical Life	100,000 (typical)
Shear Force to Key	15.1 kN (3398 lb) max.
Torque to Key	14 N•m (123.91 lb•in) max.

Allen Bradley 440T-MSRUE110E | gesrepair.com

Dimensions [mm (in.)]



Installation

Upon installation, lubricate the code barrel assembly with light oil or spray (for example, WD-40®) or alternative product suitable for application. Check for correct operation.

Figure 1 shows the panel cutout and screw size recommendation.

Figure 1 - Mounting

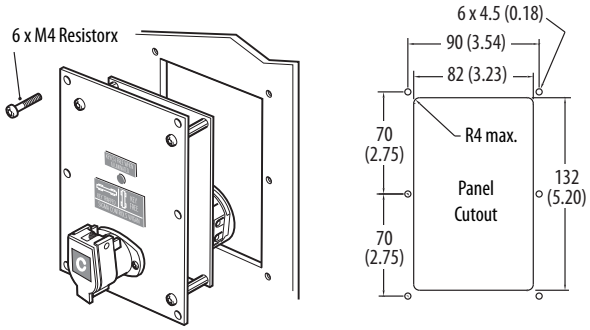


Figure 2 - Assembly

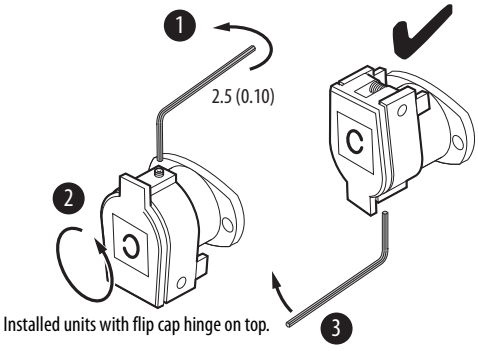


Figure 3 - Operation

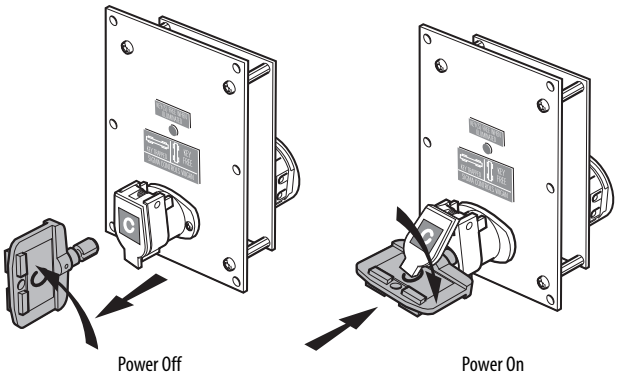


Figure 4 - Signal Input

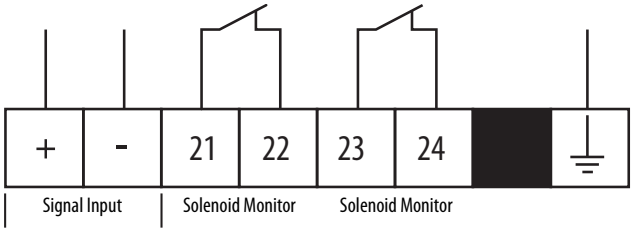
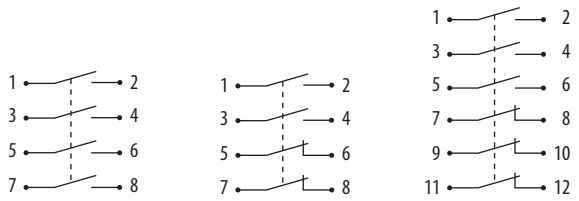


Figure 5 - Diagrams Shown with Key Free



440T-MSRUE10	440T-MSRUE11	440T-MSRUE13
440T-MSRUE12	440T-MSRUE22	440T-MSRUE14
440T-MSRUE20	440T-MSRUE33	440T-MSRUE46
440T-MSRUE23	440T-MSRUE44	
440T-MSRUE24		
440T-MSRUE30		
440T-MSRUE34		
440T-MSRUE35		
440T-MSRUE40		

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