Electronic Timed-Delay Units



BIA 974016

Description

The Electronic Timed-delay Unit (ETU) is used in applications that require an elapsed time to occur before allowing access to a hazardous area. The ETU uses a CU1 control unit timer to execute the timing sequence. Turning a non removable key initiates the timer. When the CU1 times out, its output energizes an internal solenoid, which then allows the removal of either one or two trapped keys.

The Single-key Timed delay Unit (STU) has one trapped key. After the CU1 timer has expired, the single trapped key can be removed and used to continue the next sequence in allowing access to the hazard. The single key must be returned to the STU and trapped to allow the non removable key to re-initiate the hazard.

The Dual-key Timed delay Unit (DTU) has two trapped keys. After the CU1 timer has expired, both keys can be removed and used to continue the next sequences in allowing access to the hazard. Both keys must be returned to the DTU and trapped to allow the non removable key re-initiate the hazard.

See the CU1 control unit for details on setting the delay time.

Features

- Timed-delay output up to 40 minutes
- Single key or Dual key
- 316L stainless steel keys
- Category 1 Stop
- Replaceable code barrel assembly
- Optional IP65 enclosure

Specifications

Standards	EN292-1&2, EN1954-1, IEC/EN60204-1, EN1088, IEC/EN60947-5-1, ISO13849-1, ISO12100-1&2, ISO14119, GS-ET-19, AS4024.1
Category	Cat. 3 per EN 954-1 (ISO 13849-1) Suitable for Cat. 2, 3, or 4 systems
Approvals	BG and CE marked for all applicable directives
Operating Temperature	0°C to +40°C (32°F to +104°F)
Humidity	95% RH
Mechanical Operations	100,000
Max. Shear Force to Key	15.1kN (3398lbs)
Max. Torque to Key	14Nm (124lb•in)
Material Trapped Key Components Face Plate Optional Box	 316L Stainless Steel 316L Stainless Steel ABS Plastic
Assembly Fixing	Tamper resistant screws
Weight	2.0kg (4.4lbs)
Inputs	24V DC, 110V AC and 230V AC
Time Range	0.1 second to 40 minutes

The Prosafe Advantage







Stainless steel construction.

Product Selection

Type	Solenoid Voltage	Contact Set 1	Contact Set 2	Catalogue Number
Single Key Out Panel Mounted	24V DC	3 N.O. 40A	1 N.O. 20A	**440T-MSTUE10❶**
		2 N.O. 20A	1 N.C. 20A	**440T-MSTUE11❶**
	110V AC	3 N.O. 40A	1 N.O. 20A	**440T-MSTUE20❶**
		2 N.O. 20A	1 N.C. 20A	**440T-MSTUE22❶**
	230V AC	3 N.O. 40A	1 N.O. 20A	**440T-MSTUE30❶**
		2 N.O. 20A	1 N.C. 20A	**440T-MSTUE33❶**
Dual Key Out Panel Mounted	24V DC	3 N.O. 40A	1 N.O. 20A	**440T-MDTUE10❶❶**
		2 N.O. 20A	1 N.C. 20A	**440T-MDTUE11❶❶**
	110V AC	3 N.O. 40A	1 N.O. 20A	**440T-MDTUE20❶❶**
		2 N.O. 20A	1 N.C. 20A	**440T-MDTUE22❶❶**
	230V AC	3 N.O. 40A	I N.O. 20A	**440T-MDTUE30❶❶**
		2 N.O. 20A	1 N.C. 20A	**440T-MDTUE33❶❶**

❶ Substitute the desired primary code for this symbol (key not included). See page 5-6 for code selection.

Accessories

Description	Page Number	Catalogue Number
Replacement Key	5-33	**440T-AKEYE10⊗**
Replacement Code Barrel		**440T-ASCBE14❶**
Replacement Dust Cap		**440T-ASFC10⊗**
Optional IP65 Plastic Enclosure	For use with 20A units	**440T-AIPB20**
	For use with 40A units	**440T-AIPB23**

❶ Substitute the desired primary code for this symbol (key not included). See page 5-6 for code selection.
⊗ Substitute the desired code for this symbol. See page 5-6 for code selection.

Approximate Dimensions—mm (inches)

Dimensions are not intended to be use for installation purposes.

