

EP17624 Series

Explosion Proof Magnetic Lock



Specifically designed for applications where flammable vapors are cause for concern, like clean room, chemical plant, or refinery environments by eliminating the sparks or arc in the magnetic lock.
UL listed for use in hazardous locations CLASS 1, DIVISION 2.

FEATURES

- Explosion Proof Epoxy Sealed to eliminate sparks
- No moving parts, virtually maintenance free
- Corrosion Proof
- Door Status Sensor
- 628 Clear Anodized Aluminum housing
- Classified for Hazardous Locations

Model: 176HD (File E146590)

APPLICATIONS

- Chemical Plants
- Refineries
- Paint Shops
- Cleaning Facilities
- Loading Facilities for flammable gases

MODELS

EP17624 Push-side Explosion Proof magnetic lock with conduit on side-block

EP17624TJ Pull-side Explosion Proof magnetic lock with conduit on top panel includes top jamb mounting bracket





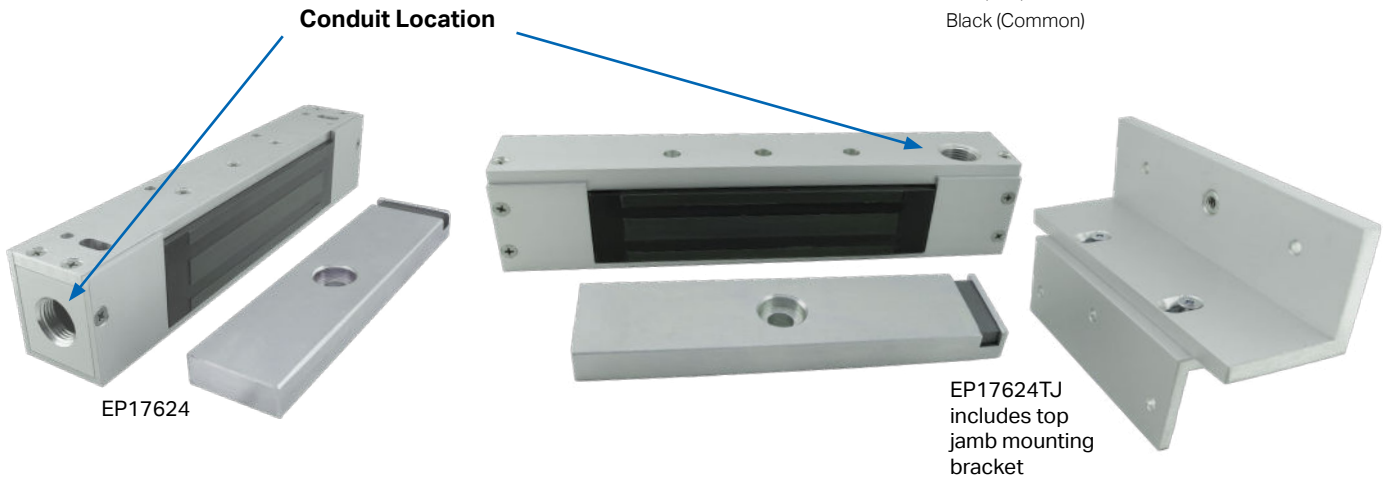
SPECIFICATIONS

Mechanical Specifications

Holding Force	600 lbs
Lock EP17624	10½" L x 2" H x 1¾" D
Lock EP17624TJ	10½" L x 2¼" H x 1¾" D
Armature	7⅞" L x 1¾" H x ¾" D

Electrical Specifications

Input Voltage	24 VDC ± 10%
Power Consumption	250 mA @ 24V DC
Door Status Sensor	SPDT, 100 mA @ 30 VDC max
Lock Wiring	RED/RED (Non-Polarized)
DPS Wiring	White (N.O.) Red (N.C.) Black (Common)



This unit is intended to be used in the following atmospheres: Acetone, Ammonium Hydroxide, ATSM fuel C, Benzene, Methyl-Ethylketone, Diethyl-Ether, 2-Nitropropane, Ethyl-Acetate, Furfural, Normal Hexane, Methyl Alcohol.

Operating temperature for the magnetic lock will not exceed 185° F (85° C). Maximum ambient temperature is not to exceed 104° F (40° C). For supply connections, use a suitable wire with a minimum insulation temperature rating of 167° F (75° C).

This unit must be connected to a NEC (National Electric Code, NFPA 70) Class 2 Supply Circuit rated for 24 VDC with a minimum current output of 0.5 amperes and output power of 12 watts. A UL Listed SDC 600 Series Power Controller is recommended.



ACCESSORIES

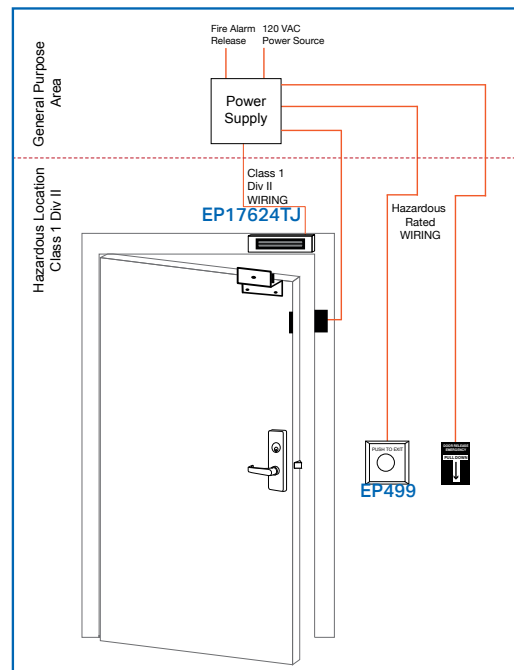


602RF 1 Amp, class 2 output power supply with optional controller and batteries



EP499 Explosion Proof Exit Switch

System Components Considerations



* Intrinsic Safety Barrier by others

