

SPECIFICATIONS FOR BOON EDAM TOMSED MODEL TUT-50E

PRODUCT DESCRIPTION: BOON EDAM TOMSED MODEL TUT-50E **ENTRY-GARD ELECTRIC TURNSTILE**

SCOPE OF OPERATION:

- A. The TUT-50E is designed for access or admission control into secure locations. The heavy duty powder coated cabinet construction and operating mechanism provide years of reliable and trouble-free service.
- B. The TUT-50E consists of an operating mechanism, powder coated carbon steel pedestal and mechanism housing, stainless steel cover, arms and safety plate.
- C. Overall dimensions are 37" high, 7" wide, 18" long.

MATERIALS:

- A. All materials meet the ASTM standards as set forth by the materials industry.
- A. The operating mechanism consists of precision machined, interchangeable parts made out of high quality steel materials. No cast iron parts are used due to softness and excessive wear characteristics. All locking components are hardened to ensure long life and reliable service. Self-centering mechanism automatically returns arms to the basic position regardless of force used to pass through the turnstile. The rotation of the mechanism is cushioned by an aircraft quality hydraulic shock absorber.
- B. All mechanism components mount directly to the mechanism housing.
- C. The pedestal is an open frame construction, manufactured from 3/16" carbon steel. The base plate is 1/4" thick carbon steel with three 1/2"

mounting holes.

- D. The mechanism housing is constructed from 3/16" carbon steel. The housing attaches to the pedestal by four 5/16" x 1" hex head bolts.
- E. The hub is made from machined aluminum, 5" in diameter, with openings for three arms 120 degrees apart. The hub is clear anodized to protect against oxidation and discoloring.
- F. Arms are fabricated from 1-1/4" dia., 16 ga. stainless steel tubing, type 304. Ends are spun closed, ground and polished smooth. No plastic caps are used.
- G. Mechanism housing cover fabricated from 16 gauge stainless steel, type 304.
- H. Stainless steel safety plate constructed from 16 gauge stainless steel type 304.

FABRICATION:

- A. The operating mechanism consists of a hardened locking assembly and interchangeable precision fabricated parts using high quality steel materials.
- B. The ratchet is made of machined high quality steel, not soft cast iron or several thin, laminated ratchets as other manufacturers.
- C. Self-centering, sealed, maintenance free main bearing supports shaft and ratchet assembly.
- D. The operating mechanism contains all electrical components, including low voltage 24 VDC power supply, 110 or 220 VAC step down

transformers, reset system and access control interface.

- E. Mechanism housing, pedestal and stainless steel cover have rounded edges to prevent injury.
- F. All exposed fasteners are concealed by smooth stainless steel safety plate.
- G. Stainless steel cover is equipped with two security cam locks to prevent tampering.

FINISHES:

- A. All fabricated components of the operating mechanism are yellow cadmium plated to ensure long life and prevent oxidation and discoloring.
- B. The mechanism housing and pedestal are painted with a durable, baked on black texture powder coating, not a fragile, air dried enamel. Other colors are available. Optional construction is type 304 stainless steel.
- C. All stainless steel items are polished to a #4B finish.

OPERATION SPECIFICATION:

- A. The locking and unlocking of the turnstile is accomplished by use of a low voltage, 24 VDC, system. Activation is via a momentary, isolated normally open dry contact closure.
- B. Electrical controls are available for either entry or exit operation. Controls may be fail-safe or fail-lock. If free passage is required, no electrical controls are provided.
- C. Once a direction of passage is opened, it will remain open until the user proceeds through to the other side of the turnstile and the reset system automatically re-locks the turnstile and readies it for the next user. The

system will stay open until the user proceeds through unless an optional time - out relay is used.

- D.** Turnstiles can be equipped with electric or battery powered registers to count in entrance or exit direction. Resettable counters are available.

AVAILABLE OPTIONS:

- Pulse relay
- Time-out relay
- Red and green indicator lights
- Electric or battery counter
- Color of choice
- Extended arms for larger aisleway
- Remote release pushbutton
- Serial port interface for direct PC connection
- Rotation detection switch
- Foam rubber arm guards
- Key override