

087100S03 DOOR HARDWARE Closers and Control Devices

- 1.0 Overhead closer Manufacturers or equals:
 - a. LCN, Div. Ingersoll-Rand Door Hardware Group
 - b. Norton Door Controls, Div. Yale Security Inc.
 - c. Sargent Manufacturing Company.
- 2.0 Door closers shall be full rack and pinion type.
- 3.0 Closers shall be surface mounted and shall project less than three (3) inches from surface of door or frame.
- 4.0 Equip closers with two (2) key operated regulating valves for individual control of both closing and latching speeds. Regulating valves shall be accessible from top of closer only and shall be completely unobtrusive.
- 5.0 Closer shall have minimum of 15% door closing power adjustment and adjustable back check.
- 6.0 Hardware finish shall be sprayed aluminum enamel.
- 7.0 Mount closers without use of brackets or other obstructions in door opening.
- 8.0 Closers on all exterior out-swinging doors and others as scheduled shall be parallel arm installation.
- 9.0 Closer bodies and/or closer feet to be mounted on surface of doors shall be supplied with sex bolts.
- 10.0 Except as otherwise specifically indicated, comply with the manufacturer's recommendations for size of door control unit depending on size of door, exposure to weather, and anticipated frequency of use.
- 11.0 Where manual closers are indicated for doors required to be accessible to the physically handicapped, provide adjustable units complying with ANSI A117.1 provisions for door opening force and delayed action closing.
- 12.0 Combination door closers and holders: provide units designed to hold door in open position under normal usage and to release and close door automatically under fire conditions. Incorporate an integral electromagnetic holder mechanism designed for use with UL listed fire detectors, provided with normally closed switching contacts. A smoke detector interconnected to the fire alarm system shall be provided on each side of the door.