8221
Double Egress Simultaneous Pair

PRODUCT SPECIFICATIONS

WARRANTY
One-Year Warranty

MODEL
8221
Double Egress Simultaneous Pair

ALSO AVAILABLE
8218
Single Operator
Simultaneous Pair

APPLICATION
• For use on interior & exterior non-fire rated outswing or
inswing doors
• Standard unit allows for 24VDC activator, two push plates,
and reactivation sensor
• Operates as a manual closer with or without power

FEATURES
APPLICATION FEATURES:
• Non-Handed
• Three Operating Modes (On/Off/Hold Open)
• Designed for doors up to 48” wide (1219 mm)
• Designed for doors up to 275 lbs. (125 Kg)
• On-Board power supply - 115 VAC 60 HZ single phase 5A
• 0.75A @ 24VDC Output Standard
• 1.0A @ 24VDC Output Optional (w/ EDM 2-659-0275)

OPERATIONAL FUNCTIONALITY:
• Power Open Spring Close
• 1/4+ HP DC Motor
• Motor Protection Circuit - interrupts motor when there is
an obstruction during
opening

PROGRAMMABLE FUNCTIONALITY:
• Push and Pull (selectable On/Off)
• Power Assist Close
• Power Boost Close - motor assist under wind and
stack pressure
• Power Open and Hold - for smoke evacuation
• Adjustable Opening Force Limitation
• Adjustable Opening and Closing Speeds
• Adjustable Opening Angle
• Adjustable Hold Open Time for Door Activators (0 – 60 sec.)
• Sequential Operation (push to open/push to close operation)
• Built-In Safety Circuit w/ Stall/Carpet/Safety
Slow/Reactivation
  • Stall: when door is in motion, most commonly used with
pull side door mounted sensor, the door stops before contact
is made.
  • Carpet: used with an over head presence sensor, keeps a closed
door closed and an open door open.
  • Safety Slow: used with a door mounted sensor on pull side,
opens the door very slow.
• Optional programming with PIM &
iMotion programmer (sold separately)

CERTIFICATION
• ANSI A156.19 compliant
• ANSI/UL 325 listed for both United States and Canada
• ADA compliant
• Lintel Mounted Back Plate - allows for fast and easy installation
• Durable Steel End Plates

OPTION
• Exterior Door Module (EDM) for 8200 Auto Operator
Provides On-Board Output for 24VDC Electric Strike or
Magnetic Lock as with (0.2 – 4.0) delay

MULTIPLE DOOR MODULE (MMD-8) for 8200 Auto Operator

BATTERY BACKUP:
2-659-0275
Battery Backup with Interface Cable for 8200 Auto Operator
Battery Backup Extension Harness for 8200 Auto Operator

ELECTRICAL SPECIFICATIONS
• Lintel Mounted Back Plate - allows for fast and easy installation

OPTIONS
MODULES:
2-659-0275
Exterior Door Module (EDM) for 8200 Auto Operator
Provides On-Board Output for 24VDC Electric Strike or
Magnetic Lock as with (0.2 – 4.0) delay

2-659-0276
Multiple Door Module (MDM-B) for 8200 Auto Operator

PROGRAMMER:
2-659-0277
Programming Interface Module (PIM) for 8200 Auto Operator

2-659-0280
iMotion Programmer w/ 6’ Cord

BATTERY BACKUP:
2-659-0278
Battery Backup with Interface Cable for 8200 Auto Operator
Battery Backup Extension Harness for 8200 Auto Operator

DRIVE SHAFT ARMS:
2-659-0283
2.65” Drive Shaft Arm (double egress/deep reveal)

2-659-0284
3.22” Drive Shaft Arm (standard in & out)

2-659-0285
3.94” Drive Shaft Arm (special applications)

2-659-0286
4.84” Drive Shaft Arm (double egress out)

ARMS & ASSEMBLIES:
2-659-0287
Outswing Door Assembly (0 - 4.1875” reveal) CLR

2-659-0288
Outswing Door Assembly (0 - 4.1875” reveal) BLK

2-659-0289
Outswing Door Assembly (4.125 - 9.875” reveal) CLR

2-659-0290
Outswing Door Assembly (4.125 - 9.875” reveal) BLK

2-659-0291
Double Egress Outswing Door Arm Assembly

2-659-0292
Inswing Door Arm and Slide Track (0” reveal) CLR

2-659-0293
Inswing Door Arm and Slide Track (0” reveal) BLK

2-659-0294
RH Inswing Deep Reveal Arm and Track (0 - 6” reveal) CLR

2-659-0295
RH Inswing Deep Reveal Arm and Track (0 - 6” reveal) BLK

FINISHES
ALM
Aluminum anodized (standard)

DBZ
Dark bronze anodized
ELECTRICAL SPECIFICATIONS

POWER SUPPLY:
- On-board output (24VDC) for door position status, alarm, etc.

OPERATING TEMPERATURE:
- +5° to 125° F (+15° to 50° C) ambient operating temperature

CONTINUOUS SOUND LEVEL:
- <70 Db

MECHANICAL SPECIFICATIONS

DIMENSIONS:
- Single: 4-9/16" H x 5" W x 31-1/2" L
- Single: 4-9/16" H x 5" W x 75-1/2" L
- Pair: 4-9/16" H x 5" W x 1816 mm

HEADER LENGTHS:
- Single: 31.5" (800 mm)
- Single: 39.5" (1003 mm)
- Pair: 75.5" (1918 mm) up to 101.5" (2578 mm)

ARMS:
- Outswing Door Arm - for use w/ butt hung, offset and center pivot doors
- Telescoping Outswing Door Arm - accommodates door reveal from 0" - 9-7/8" (0 mm - 251 mm)
- Inswing Door Arm and Slide Track - for use w/ butt hung, offset pivot doors (0") reveal
- Optional Deep Reveal Inswing Door Arm and Slide Track - center pivot or double egress doors, 0" - 6" (0 mm - 152 mm) reveal

OPENING ANGLES - OUTSWING:
- Adjustable (0-110 degrees)

OPENING ANGLES - INSWING:
- Adjustable (0-110 degrees); Deep Reveal Arm Maximum (90 degrees)

DESIGN FEATURES:
- Internal Adjustable Full Open End Stop