

## Sample Specification for 825-3 Operator.

Below are the most common specification requests for ZAP Operators. We have designed this form to provide a quick copy and paste format that allows you to copy and paste the appropriate functions you may desire, with products that are known best to function with ZAP operators. If there are any suggestions for changes in writing, format, technical requirements, source of supply, or additions of products, please email us at [sales@zap-america.com](mailto:sales@zap-america.com). We have also included a complete listing of manufacturers and sources of supply for the products listed herein at the end of the form.

### **ELECTRIC OPERATOR (Copy and paste below specification and desired standard option(s))**

Provide appropriate ZAP Controls Model 825 Series 3 DC jack shaft type electric operators rated for continuous duty use with inherent automatic obstruction sensing system for doors as shown on drawings, to operate the door at an approximate speed of (6-10") per second, and as required for door and lift conditions. Consult manufacturer for proper sizing of drive system relative to each door.

( [sales@zap-america.com](mailto:sales@zap-america.com) )

#### **Controller:**

ZAP Controller/3 button station. 115VAC. (NEMA 4), "OPEN/CLOSE/STOP", to be mounted as indicated on drawings. Voltage {eliminate voltages not required (115V 1 Phase, 208-230V 1 Phase)}

UL 325-2010 commercial operator compliance mandates constant pressure close of the operator with the addition of an approved monitored photo eye.

1. Provide and install ZAP/UL-325-2010 (NEMA 6) approved monitored photo eye. ZAP PN 401002.

#### **Standard Options (Eliminate functions not desired)**

2. Programmable Auto-Close Timer to provide timer to close function.
  - a. Programmable from 4 seconds to 4 minutes. Programmable for safety (time out to close twice on obstruction before fault indication) or security (time out to close regardless of obstruction).
3. Programmable Mid-Stop.

### **ZAP Accessories (Copy and paste desired accessory function(s))**

4. Provide and install ZAP (850) audible beeper module for audible announcement of door activation and programming function.
5. Provide and install (8070) Auto-Lock device to ensure positive locking of door when fully closed.
6. Provide and install dock leveler interlock device (82DTLM) to prevent operation of dock leveler until door is fully opened.
7. Provide and install (8830) Battery Backup system.
8. Provide relay and wiring for interlock of truck restraint to the interlock terminals of the ZAP controller.
9. Provide and install interlock device (82DTLM) to prevent operation of door sharing dual track system ensuring close function of door is inoperable unless opposing door is fully opened.
10. Provide and install dock leveler interlock device (82DTLM) to prevent operation of dock leveler until door is fully opened.
11. Provide and install driver communication light control device (82DTLM) to control 115VAC red/green traffic light, Reference number [eliminate device not required (TS-1 or TS-LED)], providing red light communication if door is in any position other than the fully closed position.

12. Provide and install communication light control device (822) to control warning strobe in loading dock door traffic situations, reference number [eliminate device not required (FBL-1 or SKH)], providing advance warning of pending door closure.
13. Provide and install (822) dock interlock device to prevent operation of dock leveler until door is fully opened. (822) Device is also to control warning strobe, Reference number [eliminate device not required (FBL-1 or SKH)], providing advance warning of pending door closure.
14. Provide and install through traffic communication light control device (82TLM) to control 115VAC red/green traffic light, reference number [eliminate device not required (TS-1 or TS-LED)], providing red light communication if door is in any position other than the fully open position.
15. Provide and install interlock device (82TLM) to provide door closed interlocking of 2 doors to in a sally port configuration rendering either door inoperable unless opposing door is fully closed.
16. Provide and install communication light control device (821) to control warning strobe in through traffic situations, reference number [eliminate device not required (FBL-1 or SKH)], providing advance warning of pending door closure.
17. Provide and install interlock device (821) to provide door closed interlocking of 2 doors to in a sally port configuration rendering either door inoperable unless opposing door is fully closed. Device is also to control warning strobe, Reference number [eliminate device not required (FBL-1 or SKH)], providing advance warning of pending door closure.
18. Provide and install 871-FS Fire Station module to prevent auto-close timer from closing door until vehicle has departed through the door opening.
  - a. Provide, install, and integrate 4 wire through beam photo cell (ZAP PN 401001) to provide hold open signal to 871 FS module.

### **Radio Controls (Copy and paste desired function(s))**

19. Provide and install (enter desired manufacturers name and model) radio control receiver for each operator with (enter qty) handheld transmitters capable of controlling up to (enter qty) doors.
20. Provide and install ZAP radio control receiver PN 840 with internal antenna for each operator with (enter qty) 2 button handheld transmitters, Model 4202, capable of controlling up to 2 doors.
21. Provide and install ZAP radio control receiver PN 840 with external antenna for each operator with (enter qty) 2 button handheld transmitters, Model 4202, capable of controlling up to 2 doors.
22. Provide and install ZAP radio control receiver PN 840 with internal antenna for each operator with (enter qty) 6 button handheld transmitters, Model 4305A, capable of controlling up to 6 doors.
23. Provide and install ZAP radio control receiver PN 840 with external antenna for each operator with (enter qty) 2 button handheld transmitters, Model 4305A, capable of controlling up to 6 doors.
24. Provide and install ZAP radio control receiver PN 840 with internal antenna for each operator with (enter qty) forklift transmitters, Model (4500-50 interior use) (4500-66 exterior use) capable of controlling up to (enter qty up to 6) doors.
25. Provide and install ZAP radio control receiver PN 840 with external antenna for each operator with (enter qty) forklift transmitters, Model (4500-50 interior use) (4500-66 exterior use) capable of controlling up to (enter qty up to 6) doors.

## External Controls (Copy and paste desired function(s))

26. Provide and install keyed lock out switch to prevent operation of door through key controlled access using Eaton Cutler Hammer, 22mm E22 series selector switch E22KB53A.
27. Provide and install keyed lock out switch to prevent operation of door through key controlled access using exterior surface mount key switch 1KXL.
28. Provide and install (enter qty) surface mount extra remote control station, reference number PBS3, at location(s) indicated on drawings to provide 3 button control (open, stop, close) of door operation.
29. Provide and install (enter qty) surface mount extra external NEMA 4 remote control station reference number, [eliminate device not required (3BX or PBT3)], at location(s) indicated on drawings to provide 3 button control (open, stop, close) of door operation.
30. Provide and install (enter qty) surface mount extra external NEMA 4 remote control station with lock out key switch, reference number [eliminate device not required (PBTL-3, 3BXLT) or (3BLM )] at location(s) indicated on drawings to provide 3 button control (open, stop, close) of door operation.
31. Provide and install (enter qty) surface mount, extra external NEMA 4 mushroom head remote control station, reference number [eliminate device not required (1MHC or 1MHD)] at location(s) indicated on drawings to provide 1 button control to open door operation.
32. Provide and install (enter qty) surface mount external NEMA 4 Key switch to provide momentary contact open, stop and close functions. Reference number [eliminate device not required (1KX, 1KXS, or 1KXL)] at location(s) indicated on drawings to provide 3 function control (open, stop, close) of door operation.
33. Provide and install (enter qty) surface mount SPST NEMA 4 Ceiling pull Reference number [eliminate device not required (CP-1,CPM-1,CP-1SW,CP-1B) to provide momentary contact cyclic Open, Close, Stop functions at location(s) indicated on drawings.
34. Provide and install (enter qty) surface mount SPST NEMA 4 Ceiling pull Reference number [eliminate device not required (CP-1,CPM-1,CP-1SW,CP-1B) to provide momentary contact Open functions at location(s) indicated on drawings. Requires use of Auto-Close Timer.
35. Provide and install (enter qty) surface mount, NEMA 4, unidirectional/ bidirectional motion detector [eliminate device not required (FALCON, EAGLE) to provide momentary contact Open functions at location(s) indicated on drawings. Requires use of Auto-Close Timer.