



Regenerative power door operator
for moderate to high traffic applications

5800

SERIES ADAEZ[®]

LOW ENERGY OPERATOR

CATALOG

Norton[®]

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

INTRODUCTION

As one of the world's only regenerative power door operators, Norton's 5800 Series ADAEZ is certified by GreenCircle® to reduce energy consumption by as much as 100 percent versus other comparable operators. Available in wireless and plug-in versions and able to fit in the tightest of spaces, the 5800 ADAEZ is simple to install and use.



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5800 SERIES ADAEZ[®] LOW ENERGY OPERATOR

ADAEZ PRO: MODELS 5831 (PUSH), 5811 (PULL)

- » No electrical power required
- » Moderate to high traffic, manual opening applications that occasionally require automatic operation
- » Regenerative Drive System charges an onboard battery pack
- » The PRO model excels in applications where the traffic pattern allows for 80 door cycles per day, 25% of which are automatic and 75% of which are manual. The PRO requires no electrical connection, no permit, no inspection, no wiring, and no low voltage license. It installs like a manual door closer in less than 1 hour.

ADAEZ PRO PLUS: MODELS 5833 (PUSH), 5813 (PULL)

- » 24VDC powered - continuous automatic use
- » Connects to ANY 24VDC power supply
- » Commercial applications requiring push-and-go, power close and electric lock interface
- » Ideal for openings requiring continuous automatic use or automatic use more than 25% of the time

ADAEZ PRO COMPLETE: MODEL 5845 (PUSH AND PULL)

- » Bundles all the configurations of the ADAEZ PRO and ADAEZ PRO PLUS models into one easy to stock package
- » Right or left hand doors
- » Push and pull side mounting hardware
- » Black and aluminum finish covers
- » Mounting hardware for virtually any door and frame
- » 24VDC plug-in transformer kit for continuous automatic use applications

FEATURES

- » Regenerative drive or continuous duty operation
- » Non-handed
- » 5° door opening
- » Push and pull side mounting
- » Push-and-Go (ADA1015P Kit must be connected)
- » Power Close (ADA1015P Kit must be connected)
- » Latch Assist
- » Executive Mode Feature
- » Radio Frequency stainless steel push buttons
- » Integral RF receiver
- » Shock absorbing arm
- » 693T (black) and 689 (aluminum) covers
- » 24VDC input port
- » ADA1015P hardware kit
- » Built-in ON/OFF Switch
- » Auxiliary activation input port
- » Maximum door width - 48"
- » Maximum door weight - 250 lbs
- » Patented Auto-Tune feature ensures safety and compliance with A156.19 code
- » 2 year limited warranty

CERTIFICATIONS

- » ANSI/BHMA A156.19 certified
- » ETL tested to UL/cUL 325 standard for automatic operators
- » Complies with requirements for Americans with Disabilities Act (ADA)
- » UL10c 90-minute positive pressure fire rating
- » Manufactured in an ISO 9001 and ISO 14001 certified facility
- » Verified by GreenCircle to offer these energy savings as compared to similar products:
 - » 5800 Series ADAEZ[®] (plug-in) – 91% efficiency
 - » 5800 Series ADAEZ[®] (wireless) – 100% efficiency



HOW IT WORKS

How does the 5800 Series ADAEZ PRO work without electrical power?

The 5800 Series ADAEZ PRO is an extreme duty, low energy door opener designed for moderate to high traffic manual opening applications that occasionally requires powered operation. A regenerative drive system charges an onboard battery pack eliminating the need for electrical power.

The 5800 Series ADAEZ PRO should be applied to doors using our 80/25 guideline. Apply 5800 Series ADAEZ PRO to a door that gets approximately 80 manual cycles or more per day and is used 25% or less automatically.

When applied using the 80/25 guideline the this operator will self generate all the power it needs to keep its field

replaceable, onboard, battery pack charged for up to 12 years and in some cases longer.

A fully charged battery has the capability to open a door up to 2000 times in a row, generously allowing for periodic fluctuations from 80/25 guidelines with little impact on the product's overall usability. Example: 30% automatic use for one day is not a problem, as long as that level of automatic use is not sustained.

The 5800 ADAEZ PRO can be used outside of the 80/25 parameters. Simply plug the unit into a common 110 VAC electrical outlet using our ADA1015P Hardwire Kit option. The Hardwire Kit is a low voltage plug in transformer and can be added to existing installed field units.

APPLICATIONS



PUSH SIDE MOUNTING WITHOUT ELECTRICAL POWER



PUSH SIDE MOUNTING WITH ADA1015P HARDWIRE KIT



PULL SIDE MOUNTING WITHOUT ELECTRICAL POWER



PULL SIDE MOUNTING WITH ADA1015P HARDWIRE KIT

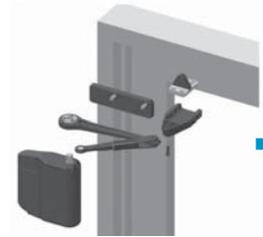
SPECIFICATIONS

AUTOMATIC DOOR OPENER

- » Provide low energy automatic door operator complying with requirements of ANSI A156.19.
- » Provide an operator with adjustable opening and closing forces that meet the provisions of ANSI A117.1 and the Americans with Disabilities Act.
- » Provide an operator with a regenerative drive system which charges the on-board battery pack when unit is operated manually and which requires no external electrical power.
- » Provide an operator that can connect to ANY 24VDC power supply to keep an on-board battery pack fully charged eliminating the need for manual traffic charging. When used with 24VDC input the operator shall supply up to 2000 automatic operations upon loss of building power.
- » Provide an operator which has been verified by GreenCircle to offer these energy savings as compared to similar products:
 - » 5800 Series ADAEZ (plug-in) – 91% efficiency
 - » 5800 Series ADAEZ (wireless) – 100% efficiency
- » Provide an operator which, upon installation, will determine door size and weight and automatically tune controller to operate within ANSI A156.19 and A117.1 standards. Operator shall also have the following adjustable functions:
 - › Opening/closing speed
 - › Hold-open time
 - › Close check
 - › Opening/closing force
- » Provide operator with on-board diagnostics which will continually maintain control of door speed in wind or abusive environment conditions.
- » Provide operator that will continue closing door within ANSI A156.19 and 117.1 requirements without any external power supplied. Upon meeting an obstruction during the opening cycle the door shall remain under power for one second and then close under spring force; if the door meets an obstruction during closing, the door will maintain a closing force of 8 lbs or less.
- » Provide unit capable of operating doors up to 48" wide, weighing up to 250 lbs.
- » Provide unit that will operate in climates with temperatures above -40° F and has a two year warranty.
- » Provide operator with two stainless steel, jamb mounted, push button transmitters in choice of 1-3/4" x 4-3/4" narrow, 4-1/2" x 4-1/2" square styles, or 5 1/4" x 5 1/4" wave-to-open switch style, with required signage. Locate push buttons as directed by architect and within ANSI A156.19 and 117.1 guidelines.
- » Provide operator which utilizes a triangular hardened steel output shaft to connect arm with a two piece tapered coupling for superior slip resistance.
- » Provide operator and push button transmitter with circuit boards that have been specially coated to resist moisture and humidity making the electronics weather resistant.
- » Provide operator with integral heavy duty cast aluminum shock absorbing arm, which when fully extended is in full tension eliminating the need for an auxiliary door stop.
- » Provide operator with two architecturally finished covers and black powder coated frame, arms and mounting brackets.
 - › Black (BHMA 693T)
 - › Aluminum (BHMA 689)
- » Provide an operator incorporating "Push and Go" feature to allow door movement to activate door open cycle or recycle door (PRO PLUS only).
- » Provide an operator incorporating "Power Close" feature to utilize the motor to close a door help open by wind, stack pressure or latchbolt (PRO PLUS only).
- » Provide an operator incorporating "Latch Assist" feature to apply pulsed power in the closing direction to assist in latching and unlatching of the door

KITS

ADAEZ PRO – MODELS 5831 x NPB (Push), 5811 x NPB (Pull)



OR



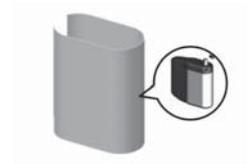
Narrow Style Push Buttons With Wireless (RF) Transmitters

Square Style Push Buttons With Wireless (RF) Transmitters

Operator

Non-Handed Shown Push
Side Mounting Parallel Arm

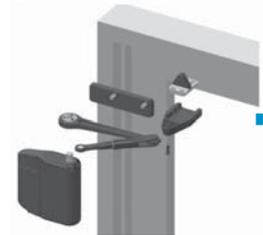
OPTION:



Aluminum Dress Cover

Replaces Standard Black
Cover Operator Frame/Arm
Always Black Finish

ADAEZ PRO PLUS – MODELS 5833 x SQPB (Push), 5813 x SQPB (Pull)

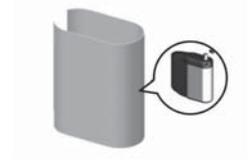


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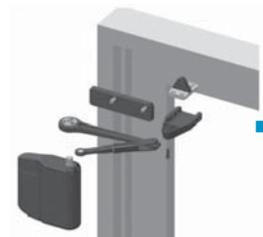


**1015P Hardwire Kit:
24VDC
Transformer**

OPTION:



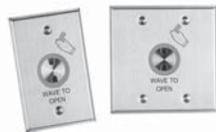
ADAEZ PRO COMPLETE – MODELS 5845 x NPB (Push & Pull), 5845 x SQPB (Push & Pull), 5845 x WTO (Push & Pull)



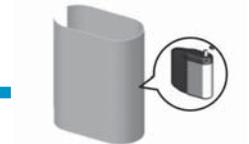
OR



OR



Wave-to-Open Switch



**PULL Mounting Hardware
Pull Side Mounting –
Regular Arm**

5800 SERIES ADAEZ® LOW ENERGY OPERATOR

SPECIFICATIONS

WIRELESS INTERFACE MODULE (ADA1028W)

System Description:

The Wireless Interface Module allows the 5800 door operator to interface to 5800 wired or wireless push buttons, wireless remote, an electric lock, fire panel, access control, and an outside push button disable contact. The ADAEZ WIM can be used with any 5800 ADAEZ model PRO, PLUS, PRO COMPLETE.



Mounting:

The WIM (4.25" W x 5.75" H) is designed to fit inside a power supply cabinet, using a supplied plastic mounting plate with double sided tape and fasteners.

Inputs:

- » Power input: 24VDC
- » Hardwire push buttons input: separate INSIDE and an OUTSIDE activation input
- » Wireless push button input: separate INSIDE and an OUTSIDE RF activation input
- » Handheld transmitter input: (p/n ADA1031 HAND-HELD-TX) interface
- » Operator connection cable: Plug in ADAEZ swing door cable connector interface
- » Lock power: Dry contact SPDT to power an electric lock
- » Outside push button disable: privacy feature

Outputs:

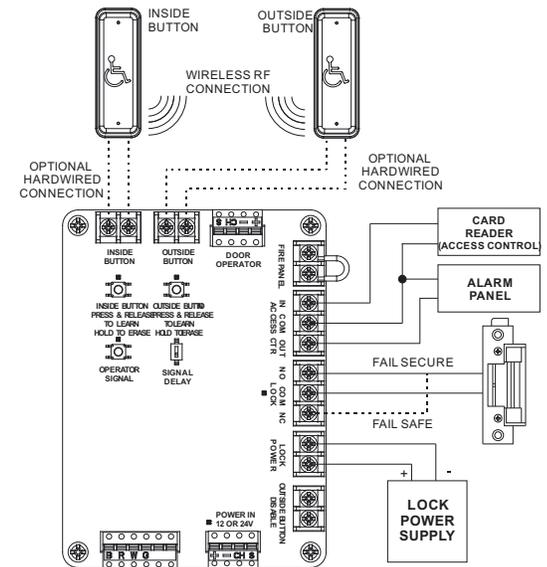
- » Wireless Output: RF signal to activate ADAEZ door opener
- » Output Contacts: SPDT dry contact output for AUX signal
- » Lock Contacts: SPDT dry contact output for LOCK
- » Access Control Contacts: indicates valid Unlock signal
- » Signal Delay Timer: 1.5 second lock release delay
- » Emergency Interface Relay (EIR): disables signal inputs

Codes/Listings:

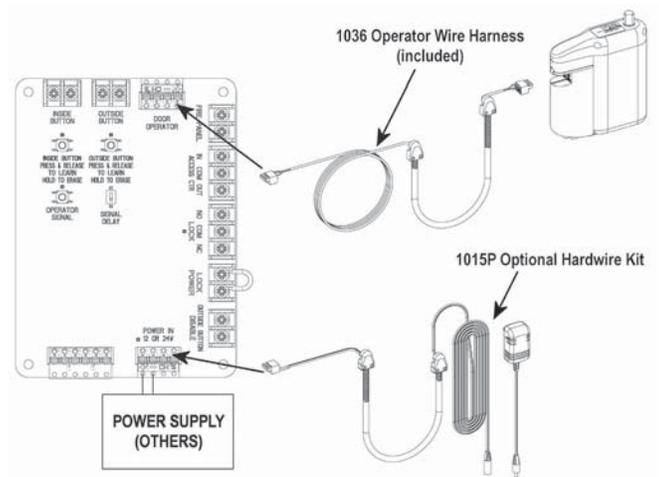
- » UL 325 standard for automatic operators
- » FCC 47CFR 15C and RSS 210

TECHNICAL INFORMATION: WIRING DIAGRAMS

Electric Strike with RF or Wired Push Buttons and Card Reader (or other Access Control)

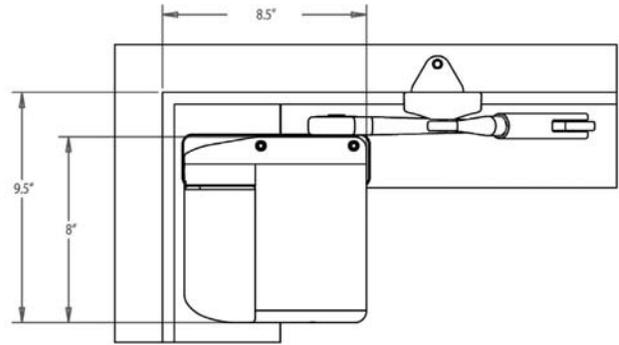
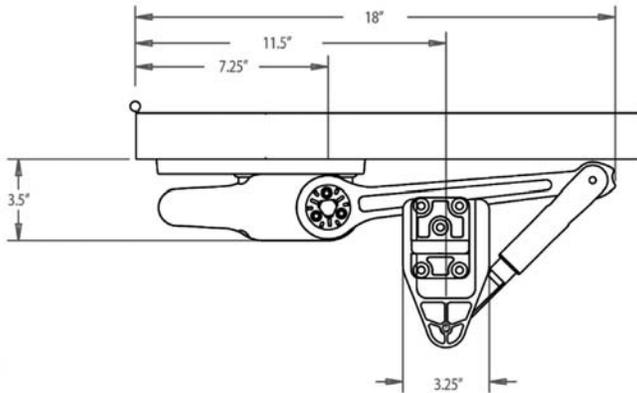


Wiring the WIM and Operator

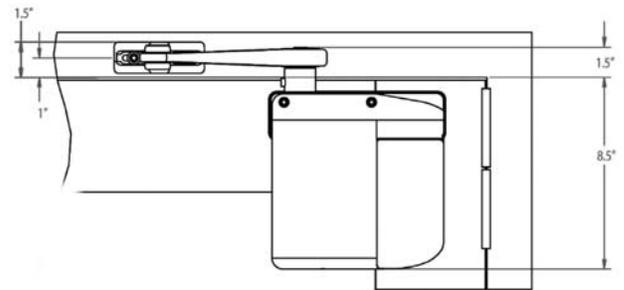
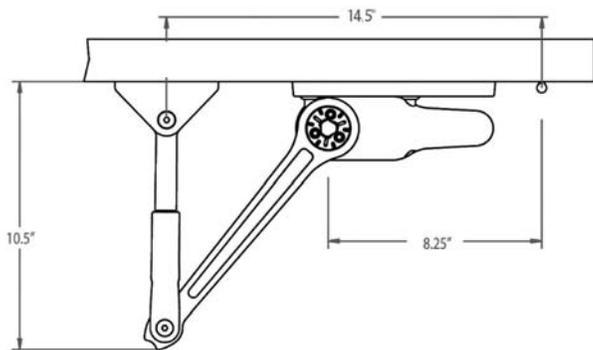


PRODUCT DIMENSIONS

Push Side



Pull Side



All dimensions are approximate

REPLACEMENT PARTS / ACCESSORIES / KITS



ADA1015P
(direct replc. of former 1015) transformer, armored dr cord, end links 50' of low voltage cable, power port cnt.



ADA1001
Door Arm Assembly



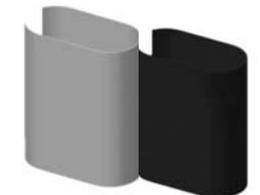
ADA1009
Mounting Hardware
Includes rivetnut installation toolkit



ADA1010NY
ADAEZ Operator Body – NYC TRD without battery



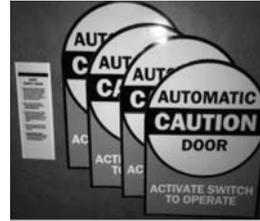
ADA1010E
ADAEZ Operator Body – Europe without battery



ADA1004
Operator Cover – Aluminum



ADA1002
Operator Cover – Black



ADA1014
Decal Pack



ADA1006
Operator Mounting Bracket with covers

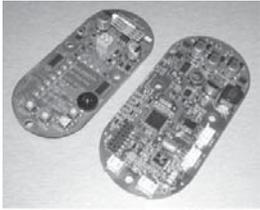


ADA1010P
(direct replacement of former 1010L/R) ADAEZ Operator Body for ADAEZ and ADAEZ PRO. Battery not included.



ADA1023
External battery charger kit

REPLACEMENT PARTS / ACCESSORIES / KITS



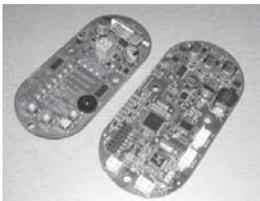
ADA1005

Electronic Control Kit for ADAEZ (older) Setup and PC Board



ADA1031

ADA1031 (order 1031E for Europe) Hand Held Remote Control



ADA1005P

Electronic Control Kit for ADAEZ PRO Setup and PC Board

ADA1005NY

Electronic Control Kit for ADAEZ NYCTRD Setup and PC Board



ADA1021

Kit to Convert to a PULL Side Mount

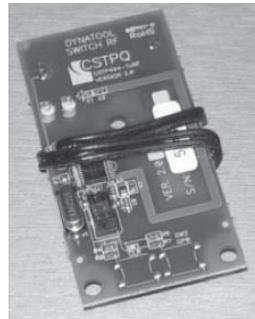


ADA1005WP

Electronic Control Kit for ADAEZ PRO Setup and PC Board (White Board)

ADA1005WN

Electronic Control Kit for ADAEZ NYCTRD Setup and PC Board (White Board)



ADA1008

Wireless Push Button Transmitter (Circuit Board Only)



ADA1026

Bottom Cover with Two Screws



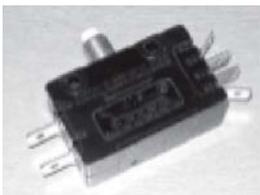
ADA1028W

Wireless Interface Module



ADA1025

Multi-Purpose Timer



ADA1022

Kit to Convert SPDT Switch to DPDT Switch



ADA1012-1

1 3/4" (4.5 cm) Push Button Assembly without RF Transmitter

REPLACEMENT PARTS / ACCESSORIES / KITS



ADA1019-1
4 1/2" (11.4 cm) Sq Push Button Assembly without RF Transmitter



ADA1012-2
1 3/4" Push Button Assembly with RF Transmitter



ADA1019-3
4 1/2" Sq Push Button Assembly with DPDT Switch without RF Transmitter



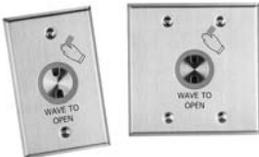
DA1019-2
4 1/2" Sq Push Button Assembly with RF Transmitter



ADA1024
Kit to Convert to a PUSH Side Mount

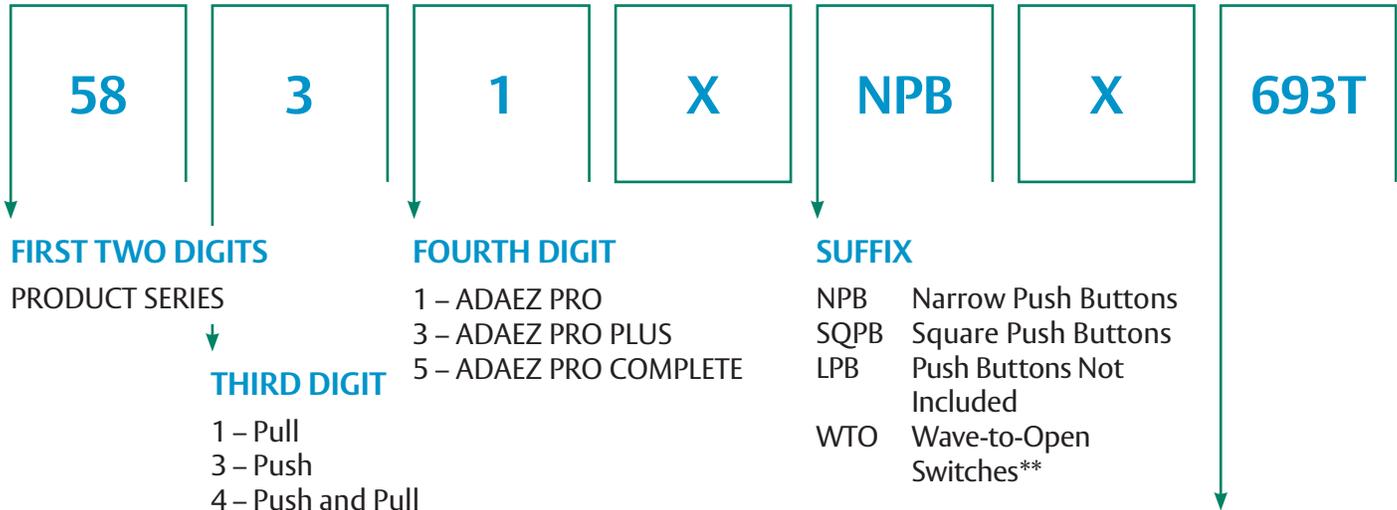


ADA1019-4
4 1/2" Sq Push Button Assembly with DPDT Switch with RF Transmitter



700
Wave-to-Open Switch
Single gang and double gang packaged together without RF transmitter
Dimensions:
3" W x 4-3/4" H (single);
4-1/2" W x 4-1/2" H (double)
(may require ADA1015P)

HOW TO ORDER



Description	Specify Designation
Black Textured	693T
Aluminum	689

ADAEZ KITS	Model Number	Function		Description				
		PUSH	PULL	Narrow Style Buttons	Square Style Buttons	Wave-to-Open Switch	1015 Hardwire Kit: 24VDC	Aluminum Dress Cover
PRO	5831 x NPB	●		●				○
	5811 x NPB		●	●				○
PRO	5833 x SQPB	●			●			○
	5813 x SQPB		●		●			○
PRO PLUS	5833 x NPB	●		●			●	○
	5813 x NPB		●	●			●	○
PRO PLUS	5833 x SQPB	●			●		●	○
	5813 x SQPB		●		●		●	○
PRO COMPLETE	5845 x NPB*	●	●	●			●	●
	5845 x SQPB*	●	●		●		●	●
	5845 x WTO*	●	●			●	●	●

Note: *5845 is shipped 693T x 689 finish
**Only available for ADAEZ PRO COMPLETE

○ – Optional parts
● – Standard parts

Norton
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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Since 1880, Norton door controls have been an integral part of schools, hospitals and businesses around the globe. When you need products and people that perform at the highest level, rely on Norton – From Open to Close.

Norton Door Controls | www.nortondoорcontrols.com

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