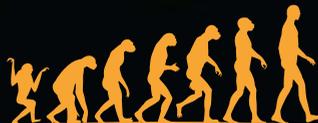




Evolution has arrived.



Axess® Pro Series 3000
Industrial Roller Shutter Openers



axesspro3000.com.au



Evolution is here!

The Axess® Pro Series 3000 Industrial Roller Shutter Opener range is now available.

This evolutionary step comes from years of intensive R&D aimed at creating a smarter, more reliable and robust shutter opener.

Suitable for shutters up to 50m², the new Axess® Pro Series 3000 range offers three horsepower options from two input power variations, with easily interchangeable controls and logics.

So, what does what?

Axess® Pro Series 3000 uses a simple model numbering system for identification.

1st Digit Series Number	2nd Digit Power Input	3rd & 4th Digit Power Rating	Letter Control Option
3 = "3000" Series	1 = 240Va.c. 10A GPO Plug-in w/ inverter to 3-phase 3 = 415Va.c. hard wired w/ contactors	05 = 0.5 HP 10 = 1.0 HP 15 = 1.5 HP	M = Manual L = Logics



Axess® 3100 Models - Specifications & Kit Contents

Power input: 240Va.c. 10A 1-phase GPO Plug-In, with Inverter to 3-phase

Axess® 3100 Deadman Units

Model	Order No.	Motor Power (+ ID plate colour)	Powerhead Weight	Shutter Size	Duty Cycle	Max Height
3105 M	92218	½ HP	19kg	18m²	60%	21 turns of Output Shaft
3110 M	92219	1.0 HP	21kg	36m²		(Approx. 6000mm)

Axess® 3100 Logic Units

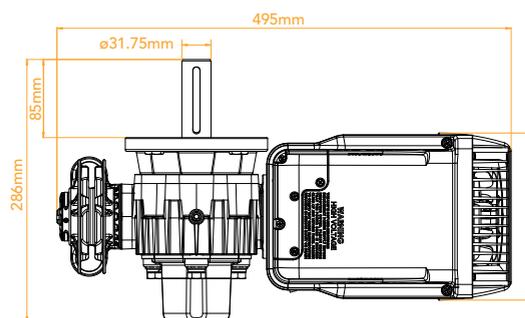
Model	Order No.	Motor Power (+ ID plate colour)	Powerhead Weight	Shutter Size	Duty Cycle	Max Height
3105 L	92215	0.5 HP	19kg	18m²	60%	21 turns of Output Shaft
3110 L	92216	1.0 HP	21kg	36m²		(Approx. 6000mm)

Standard Inclusions

Controls	PE Beams	Transmitters	10B Drive Chain	Drive Sprocket
 Open/Stop/Close ("Deadman") Station	N/A	N/A	 5-feet (1.5m)	 14-Tooth

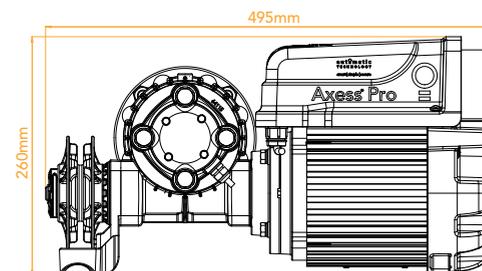
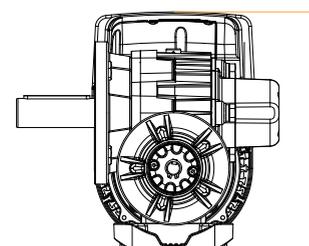
Standard Inclusions

Controls	PE Beams	Transmitters	10B Drive Chain	Drive Sprocket
 Full Logic Station	 EasyBeam™ 2-wire beams with brackets and wiring	 PTX-5 TrioCode™ Transmitters	 5-feet (1.5m)	 14-Tooth



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Axess® 3300 Models - Specifications & Kit Contents

Power input: 415Va.c. 3-phase Hard Wired with Contactors

Axess® 3300 Deadman Units

Model	Order No.	Motor Power (+ ID plate colour)	Powerhead Weight	Shutter Size	Duty Cycle	Max Height
3305 M	92230	0.5 HP	19kg	18m ²	60%	21 turns of Output Shaft (Approx. 6000mm)
3310 M	92231	1.0 HP	21kg	36m ²		
3315 M	92232	1.5 HP	23kg	50m ²		

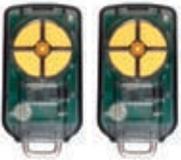
Axess® 3300 Logic Units

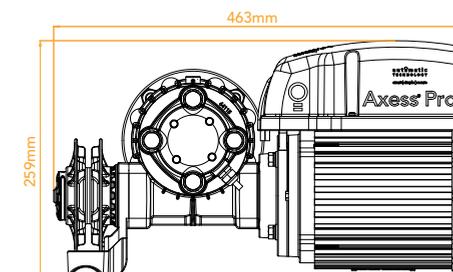
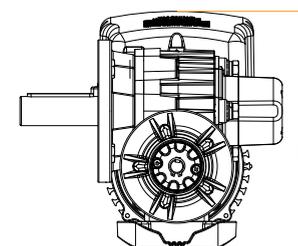
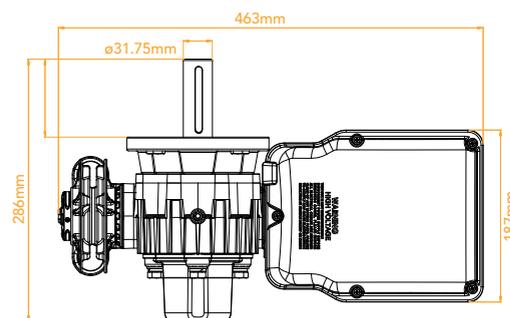
Model	Order No.	Motor Power (+ ID plate colour)	Powerhead Weight	Shutter Size	Duty Cycle	Max Height
3305 L	92233	0.5 HP	19kg	18m ²	60%	21 turns of Output Shaft (Approx. 6000mm)
3310 L	92234	1.0 HP	21kg	36m ²		
3315 L	92235	1.5 HP	23kg	50m ²		

Standard Inclusions

Controls	PE Beams	Transmitters	10B Drive Chain	Drive Sprocket
 Open/Stop/Close ("Deadman") Station	N/A	N/A	 5-feet (1.5m)	 14-Tooth

Standard Inclusions

Controls	PE Beams	Transmitters	10B Drive Chain	Drive Sprocket
 Full Logic Station	 EasyBeam™ 2-wire beams with brackets and wiring	 PTX-5 TrioCode™ Transmitters	 5-feet (1.5m)	 14-Tooth



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Logic Controls

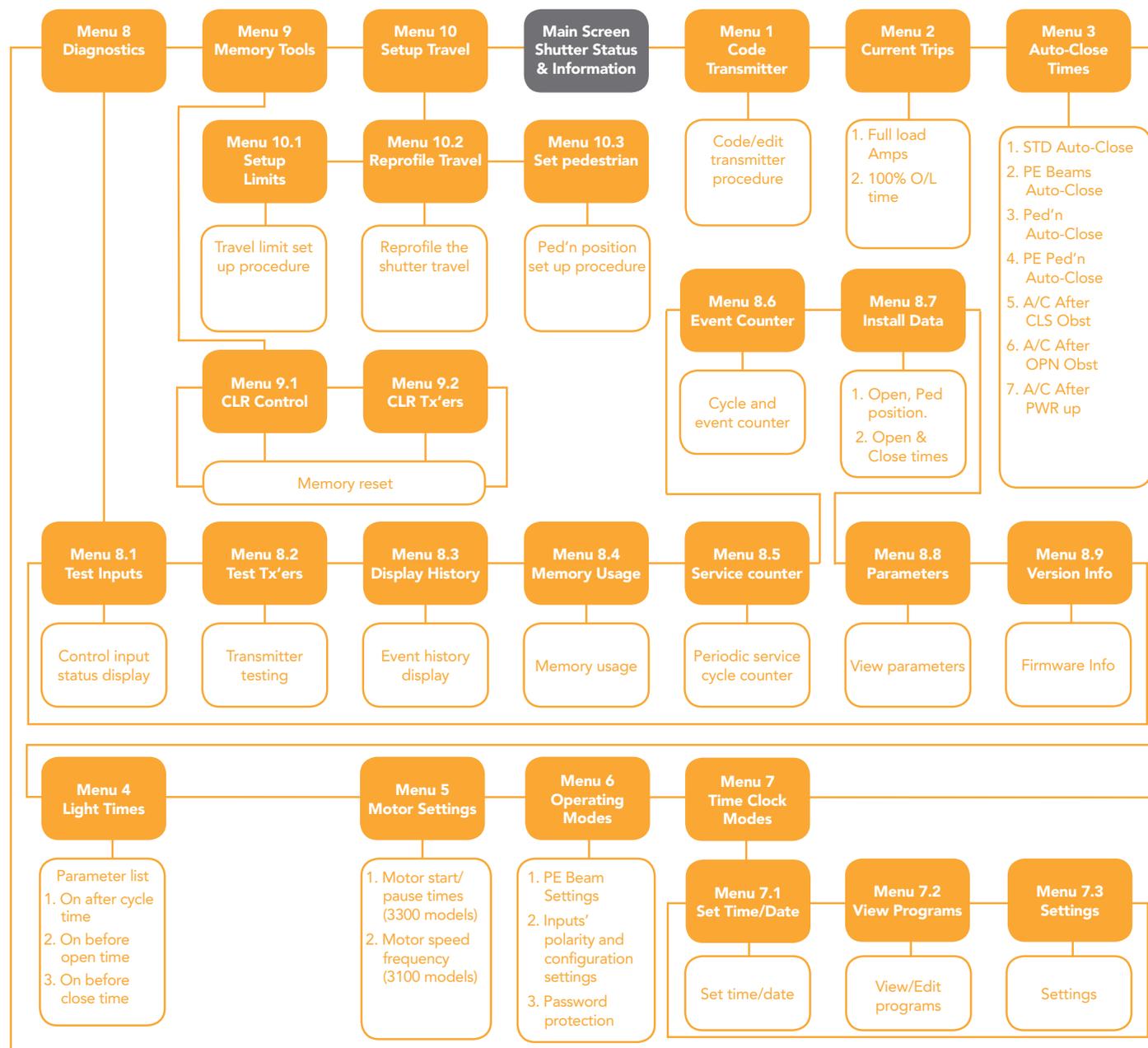
Scalable, Smart, Secure

The Logic Control package for the **Axess® Pro Series 3000** brings together what other brands sell as separate add-ons.

The all-in-one console features:

- Receiver with 511 transmitter capacity
- 24-hour, 7 day programmable real time clock
- Terminal block with configurable inputs and outputs, including variable N/O & N/C polarity settings
- LCD screen
- Access to a broad and deep menu system of configurable (see left) operating parameters
- Detailed diagnostic and servicing functions
- Password protection for settings
- Live power usage monitor

Best of all, this is all accessible from ground level. Linked to the powerhead via a data cable, there is never a need to scale great heights to wire in an accessory, change limits or modify settings.



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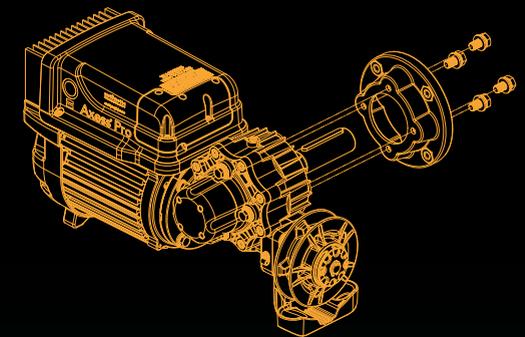
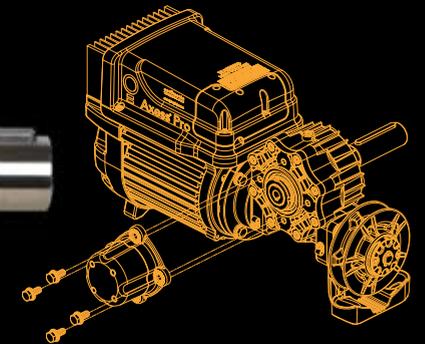
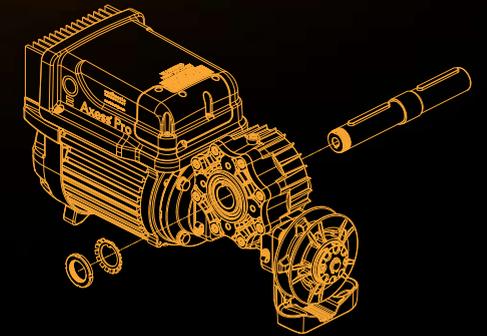
Universal Operation.

Every unit, left or right,
straight out-of-the-box.

The **Axess® Pro Series 3000** features an innovative modular timing assembly and driveshaft design.

No longer do you need to manage inventories of left AND right handed units - just order the power/logic configurations you need.

It takes just three steps, and less than five minutes, to create a left or right handed opener - from unpacking the box to the installer lining it up with the mounting points.



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Magnetic Limits.

No micros. No optos.
No more embarrassment.

The **Axess® Pro Series 3000** features the incredibly reliable and innovative M-ALPS (Magnetic Automatic Limits Positioning System).

Used without failure for three years in the GDO-10 Toro™, M-ALPS is a proven and reliable system.

M-ALPS does not use cams and microswitches, hence limits can be set from the floor (or even using a transmitter!) Also, as opto-sensors are not used, the limit assembly is not susceptible to failures caused by dust and fine objects.



How does it work?



The opener's output drive shaft has a key way into which the **M-ALPS' worm drive shaft** is slotted. When the opener is driving, the limit assembly is turning.



Inside the sealed orange cover, the **M-ALPS' worm drive shaft** then rotates a **helical geared timing shaft**.



At the end of the **timing shaft** is a small magnet positioned a few millimetres over a **sensor**.

As this **magnet** turns, the **sensor** reads where the North/South poles are, using this to determine the door's overall position.

As this system is magnetic, it will function even if dirt, dust or other particles sit between sensor and magnet.

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Robust Design.

Engineered Tough.
Nothing left to chance.

From the first design drafts in 2007, our Engineering Team has had a core focus: Make the **Axess® Pro Series 3000** as tough as possible.

Design highlights include:

Worm drive and output shafts machined from S45 grade steel

Machined phosphor bronze helical gear, with a S45 grade steel core

Hardened steel output shaft drive sprocket

Oil filled breatherless gearbox

High grade 3-phase motors

Custom designed inverter with fan cooling

Importantly, every single **Axess® Pro Series 3000** is cycle tested for 24 hours before shipping, in addition to Automatic Technology's rigorous Quality Control & Assurance program.



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Bolt, Plug & Play.

Simplified connections, costs & contracts.

The **Axess® Pro Series 3000** will save time and money. Fact.

As almost everything is pre-wired, pre-plugged, or conforms to existing norms, it requires less effort and reduced need for external contractors to install, upgrade or service the unit.

Combined with Automatic Technology's intuitive setup system, compatibility with the PG-3 Programmer, LCD readouts on the logic models, and self diagnostic functions, this puts more time back into your day.

Nuts are pre-seated in the mounting flange for less fiddly work during installation.

Featuring the common 92mm mounting hole pattern, installing an **Axess® Pro Series 3000** is a simple process.

Both the Open/Stop/Close "Deadman" and Full Logic consoles connect to the powerhead via low voltage CAT-5E data cable.

Best of all, if you need to upgrade an opener to full logics, or vice versa, simply unplug the existing console and replace with the other!

The 3100 models offer three unique advantages:

- They are ready to plug in to a standard 240V 10A 1-phase general purpose outlet
- The powerhead has custom designed inverter to drive its 3-phase motor
- This inverter control allows for soft start / soft stop operation

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Integrated Safety.

Zero Harm.
Zero Worries.

The **Axess® Pro Series 3000** has been designed to protect itself and everybody around it.

Understandably, the forces involved in automatically operating a roller shutter present immense and numerable risks.

The **Axess® Pro Series 3000** includes features to mitigate these risks as standard, not as optional extras.



PE Beams are supplied standard with all logic control units, and are required for automatic operation.



All high voltages are restricted to the module on top of the powerhead, so that only safer low voltages are accessible at ground level.

For additional safety, the 3100 models' top module has safety switches that automatically isolate power if any of its covers are removed.



Not operating

A manual hauling chain can be safely left on an **Axess® Pro Series 3000** thanks to a clever feature on which a patent has been applied for.



Opener operating (fingers out)

When the opener runs, centrifugal forces drive fingers out that prevent the clutched manual chain wheel from being fully pulled.



Manual chain wheel in use

A microswitch sitting behind the wheel senses if any pressure is applied to the chain and immediately stops the motor. Only when the motor stops turning do the fingers retract, allowing manual operation.

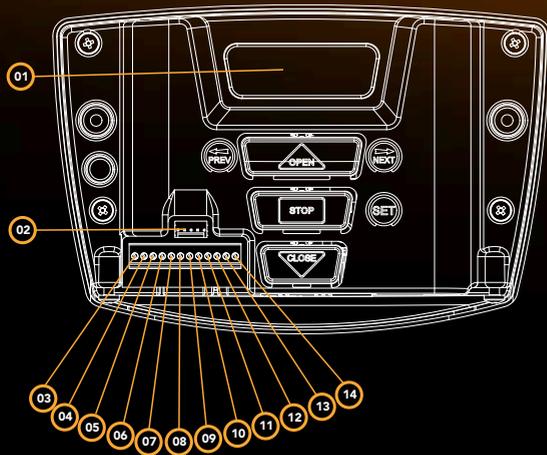
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- 01 LCD Screen
- 02 PG-3 Programmer Terminal
- 03 V+ 3-Wire PE Beams "+" Supply
- 04 IN3 3-Wire PE Beams Trigger Input
- 05 V- Common For 2-Wire EasyBeam™ and 3-Wire PE Beams
- 06 IN2 Two Wire EasyBeam™ Input
- 07 AUX OUT Receiver's Auxiliary Output
- 08 FIRE N/O , N/C Input Terminal
- 09 GPI N/O Input Terminal
- 10 OPN N/O , N/C Input Terminal
- 11 STP N/O , N/C Input Terminal
- 12 CLS N/O Input Terminal
- 13 SWP N/O Input Terminal
- 14 COM Terminal For Inputs



Specifications	Axess 3100 Models	Axess 3300 Models
Power Supply	230-240Va.c. 50Hz 1-phase	415Va.c. 50Hz 3-phase
Motor Power Options	375W (0.5HP) & 750W (1HP)	375W (0.5HP), 750W (1HP) & 1125W (1.5HP)
Motor Type	3-phase 240Va.c. Delta Connection	3-phase 415Va.c. Star Connection
Power Control / Switching	Inverter	Contactors
Mains Fuses	10A 250V Slow Blow Fuse	FLQ10 - 10A 500V Time Delayed Fuse x 3 TDC11- 250mA 1000V Slow Blow Fuse
Controller Fuse	10A 250V Slow Blow Fuse	10A 250V Slow Blow Fuse
Duty Cycle	60%	
Opener Limits Travel	21 turns of output shaft - (approx. 6000mm door height)	
Receiver Type	UHF Multi-frequency FM Receiver	
Receiver Storage Capacity	511 X 4-Button Transmitter Codes	
Receiver Sensitivity	-103 dB	
Transmitter System	TrioCode™ (UHF Multi-frequency FM Transmitter)	
Coding Type / Code Generation	Code hopping / Non-linear encryption algorithm	
Number of Code Combinations	Over 4.29 billion random codes	
Courtesy Light	Common Collector Transistor Output	
Time Clock Battery	CR1220 (1.5V)	

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