



650ARM250 Series

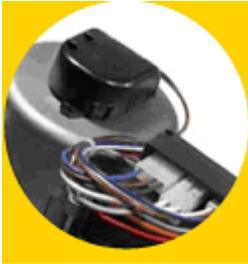
Swing Gate Drives

Maximum gate leaf length 4 metres



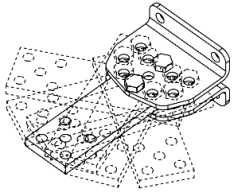
The “650ARM250” series of motors consists of a complete range of products for automating ‘open style’ swing gates for residential and light industrial use for up to 4 metres in length and 220 kgs.

Safety



Safety:
The Encoder Technology included in the 650ARM250BENC12V dc Motor guarantees constant and reliable obstacle control

Gatepost Mounting Bracket



Gatepost Mounting:
A new adjustable gatepost mounting bracket allows for easy mounting on most gateposts



Manual Release



Manual Release:
In the event of a mains power failure, there is a quick and easy system for manual override release.

Performance requirements for your gates.

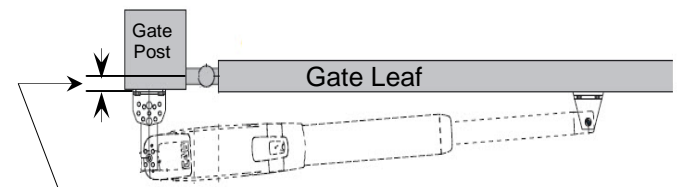
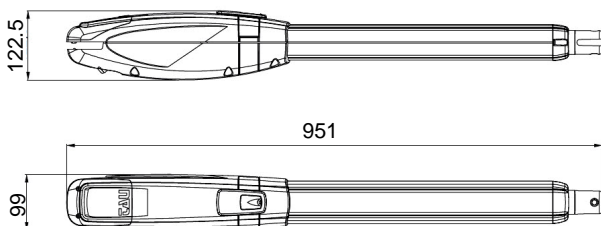
This is where the expectations for performance are matched against the capabilities of the TAU 650ARM250 Series Swing Gate Drives.

There are two types available:

650ARM250 230 Volts ac version for normal residential and light industrial use.

650ARM250BENC 12 Volts dc version for more intensive residential and light industrial use. In the event of a power failure, it is able to be powered by a 12V dc Rechargeable Back-up Battery, which enables the gates to continue working for up to 10 operations in 24 hours before mains power is required to be reinstated.

Performance Required	650ARM250	650ARM250BENC
Gate Length	Up to 4 metres per leaf open style gate design	
Gate Opening Time (approx.)	20.5 sec/90°	12.5 sec/90°
Usage per hour	Up to 8 times	Up to 30 times
System Power Requirement	Mains Power Only	Mains Power and Battery Back-up Operation
Weight of Gate	Up to 220 kgs per leaf @ 4 Metres	



The maximum distance from the rear of the gatepost to the gate hinge centre point can be no greater than 175mm for a 90° opening angle

Dimensions

GATE AUTOMATION CONTROL EQUIPMENT

Operational options for your automation system

How you want to operate your automated gate/s is an important decision in choosing which Accessories will allow you to use your gate automation system to your specific requirements.

Key components of control for effective operation includes:-

- **Remote Control**

The **TAU 750D750M Controller** has a 2 channel built-in dip-switch/rolling code Radio Receiver with the option of using a TAU 2 Button Radio Remote.

Channel 1 – hardwired for full vehicle access.

Channel 2 – voltage free contact - can be used to operate the garage door drive, pedestrian access, garden/security lights or to keep the gates open for extended periods

The **TAU 750D749MA Controller** has a 3 channel built-in rolling code Radio Receiver with the option of using a TAU 2 or 4 Button Radio Remote.

Channel 1 – hardwired for full vehicle access.

Channel 2 – voltage free contact - can be used to operate the garage door drive, garden/security lights or to keep the gates open for extended periods.

Channel 3 – hardwired for pedestrian access.

- **Keypad Entry**

For those who require Keypad control for visitor entry, the weather durable ROSSLARE dimmable illuminated keypad or SEBURY illuminated Keypad both have 2 outputs to allow for vehicular and separate pedestrian access.

- **Safety Photocells**

It is recommended that each TAU 650ARM250 Series Automatic Gate Opening System is installed with a set of Safety Photocells that recognise when an obstacle is across the gateway, preventing the gates from closing until the obstacle is removed.

- **Safety Features**

The 750D750M Controller used with the 650ARM250 230V ac Motor has an electrical anti-crush safety clutch.

The 750D749MA Controller used with the 650ARM250BENC 12V dc Motor has an electronically controlled, anti-crush safety clutch.

- **Automatic Realignment**

The 750D750M and 750D749MA Controller include an Automatic Realignment feature, that ensures the first operation (Radio Remote or other opening/closing signal device) upon the power being restored, will realign the gates to the last state before the power was disconnected.

- **Minimal Noise Production**

The 650ARM250BENC 12V dc Motor is fitted with an Encoder — a special detection system which moves the gate rapidly, then slows it down towards the end of its travel, in order to prevent noisy impacts and rebounds.

(The TAU 750D749MA Controller only)

Radio Remote Control



TAU 250K-SLIMRP
2 Button Remote



TAU 250T-4RP
4 Button Remote

Keypad Entry



ROSSLARE
AC-Q41-SB
Up to 500 Users



SEBURY
W3-A
Up to 1200 Users

Safety Photocells

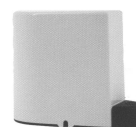


TAU 900OPTIC
Range 20 metres



TAU 900FOTEC
Adjustable up to 180°

Universal Radio Receiver



Single & Multi channel options to interface to existing Garage Door Openers etc.

Control Boards



TAU 750D749MA
12V dc



TAU 750D750M
230V ac

Imported and marketed in New Zealand by GATE DRIVE SOLUTIONS LTD.

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The Information contained in this document is subject to change without notice. May 2017