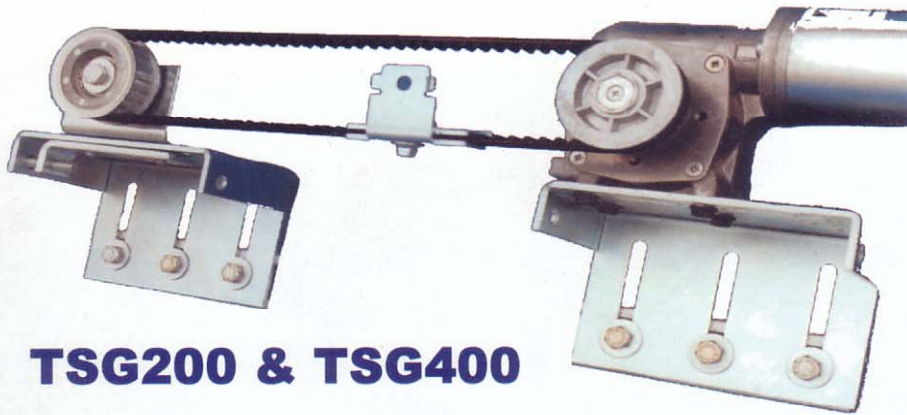


# The L&L Universal Door Operator



**TSG200 & TSG400**

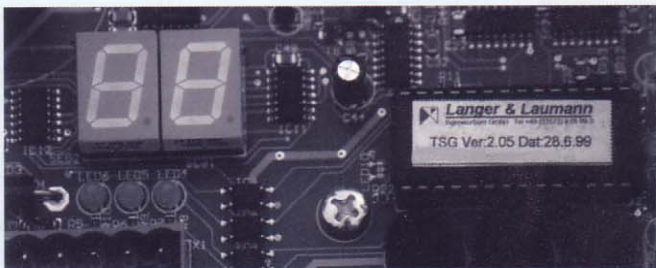
*Most lift service call outs or breakdowns are due to problems with door operators. Shorts are now offering an ideal solution.....*

## The L&L Universal Door Operator

An encoder linear drive system controlling a maintenance free DC motor with a direct drive arrangement to the door panel(s) enables the system to operate smoothly, silently and without any reduction gear. The powerful DC motor can be adjusted to all applications and door types, regardless of the door configuration (centre or side opening). The **TSG 200** is suitable for doors with panels weighing up to **200 kg** and **TSG 400** up to **400 kg**.

## Self-learning Intelligence Technology

The integrated microprocessor controls soft start, full speed and deceleration. Door opening and closing cycles can be adjusted independently. An initial self-learning cycle makes the L&L Universal Door Operator simple to set up.

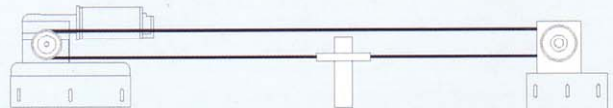


### Advantages at a glance

- ✓ DC operated
- ✓ Encoder linear drive system
- ✓ Toothed belt drive system
- ✓ Up to 400 Kg. Door panel weight
- ✓ Fast
- ✓ Low noise
- ✓ Easy to adjust no need for special tools or handset
- ✓ Integrated indicator with LED matrix showing door status and faults.
- ✓ Built-in adjustable pressure sensor to detect obstruction.
- ✓ Solid steel housing
- ✓ Plug-in system with wiring loom
- ✓ Maintenance free
- ✓ Also available in waterproof (IP 54) version

## Universal application

Regardless of the volume of traffic, the L&L Door Operator can be used in all applications including offices, flats, hospitals and nursing homes. The design allows a maximum door speed of 1.0 m/sec.



## Low Costs

The kit comes complete with door connecting bar and fixings. Due to the compact design the unit is ideal for refurbishment and modernisation projects. It is so easy to install that site/installation times are low and subsequently the overall costs are very competitive.



# SHORTS LIFTS

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PO Box 258  
Bradford BD2 1QR  
Tel : 01274 305066  
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email : [info@shorts-lifts.co.uk](mailto:info@shorts-lifts.co.uk)  
web : [www.shorts-lifts.co.uk](http://www.shorts-lifts.co.uk)