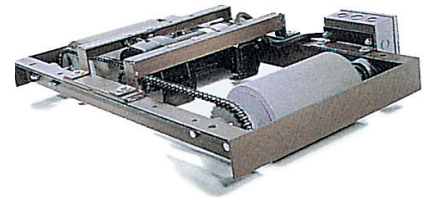


Technical data sheet - TX power operation system

Description

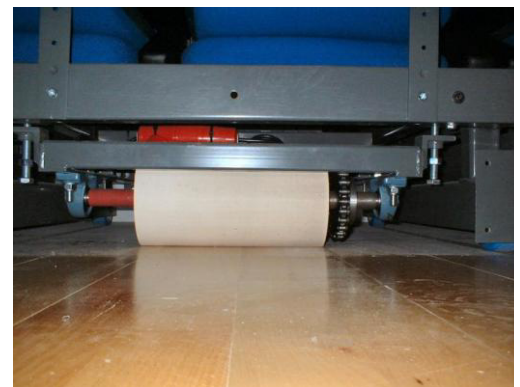
The TX Telescopic Platform System can be fitted with an integral power operation system to allow units to be opened or closed at the touch of a button.



Friction drive

Features

- Chain driven friction power system
- High grip, non marking, synthetic rubber tyred rollers with self-cleaning system
- Single phase design (three phase by special request).
- Single control box for both power operation and aisle lights
- Full RCD and MCB protection for electrical safety
- Tone siren with 32 options to distinguish from other building safety sirens
- Optional xenon warning beacon, which flashes during operation
- Low voltage control circuit



Drive fitted to TX Telescopic Platform System

Finishes

Metal parts

Epoxy powder coat frame

Specification

Power system

Electric motor

Drive

Chain driven, synthetic rubber tyred non marking rollers, unaffected by oil / grease

Speed

0.1 metres per second

Supply

Single phase - 230V/50Hz AC. See table overleaf for power supply amperage.

Control circuit

24V

Protection

30 mA RCD main breaker, plus MCB motor thermal protection



Hand controller



TX Telescopic Platform System being closed

Motor Sizes

Supply type	Voltage (V)	Frequency (Hz)	Cabling	Motor type	Full load current (A)	Starting current (A)
1-phase	230	50	L + N + E	STM 0.37kW	3.00	8.40

Power Operation Unit Quantity Requirement

The table below shows the number of power operations required for various sizes and quantities of units.

		Number of TX structures forming seating bank					
		1	2	3	4	5	6
No. of rows	Up to 4	1	2	2	2	3	3
	5-6	1	2	2	2	3	4
	7-8	1	2	2	2	3	4
	9-10	1	2	2	4	4	4
	11-16	1	2	3	4	5	6
	17+	Please consult Audience Systems					



Control box (the two lower boxes are the control panel and battery pack for the aisle lights)

Power Supply Requirement (Amps)

Motor Quantity	1	2	3	4	5	6
	10	10	16	16	16	16



Typical socket required

On Site Electrical Arrangements

Electrical wiring is cut to length, and connectors are fitted, in the Audience Systems factory.

Because changes to wiring layouts will not be possible once installation has commenced, it is crucial that the final position of the control cabinet is agreed with Audience Systems prior to manufacture.

The client will usually only need to supply a simple socket, similar to the one illustrated here, adjacent to the agreed control panel position. Exact socket type will vary with the telescopic unit's configuration and power requirements.

Details of the control cabinet position, and exact details of the socket required, will be included on the seating layout approval drawing.



Box is pre-equipped to connect LED aisle lighting