

Technical Data

MODEL TMG-010

Power Requirements

Voltage	115V AC +/- 10%, Optional 230V. AC
Frequency	60 Hz single phase, (50 Hz 230V.)
Current Consumption	80 VA typical.
Environmental	Splash proof housing IP55. Conformal coating on printed circuit boards.
Operating Temperature	14° to 131° Fahrenheit (-10° to 55° Centigrade).

Cabinet

Material	0.064in. (1.6mm) galvanized steel. Stainless steel 3CR12 optional.
Finish	Epoxy powder coated (exterior grade).
Standard Colors	White, Yellow, or Red. Other colors on request.
Dimensions	35 in. (H) x 13.5 in. (W) x 15 in. (D) (885mm x 345mm x 380mm)
Access	
Side Door	27in. (H) x 10in. (W), (690mm x 260mm) hinged and lockable.
Lid	Top lid, internally double latched, removable.
Mounting Method	Bolt down, using four anchor bolts.

Barrier Arm

Material	Extruded aluminum tubing. (Optional wood arm adapter up to 12' max. length).
Finish	White epoxy powder coated, wrapped with 2 in. (50mm) spiral red reflector tape.
Weight	0.54 lbs per foot (0.81kgs per meter).
Lengths	
TMG-010-10' (3m)	10 ft. (3m)
TMG-010-12' (3.66m)	Up to 12 ft. (3.66m)
TMG-010-15' (4.5m)	Up to 15 ft. (4.5m)
TMG-020-20' (6m)	Up to 20 ft. (6m)
Dimensions	3 in. (76.2mm) outside diameter, 0.05 in. (1.27mm) wall thickness.
Articulation	Optional articulated knuckle (jack-knife) assembly available for TMG-010 models only.
Arm Height	Center line to barrier base, 32 in. (820mm)

Drive Mechanism

Motor	Torque motor/gearbox combination.
Output Torque	20Nm approximately.
Shaft speed	10 Rpm. under load. (Optional 25 RPM. under load)
Raise/Lower Time	Approximately 2.5 seconds for 90 degree travel. (25 RPM approx. 1.2 seconds for 90° travel, max. arm length 12').
Mechanism Mounting	Single removable drive/motor assembly.
Arm Arc Travel	90 degrees.
Arm Drive	Offset lever arm drive reduces 180 degree travel to 90 degree travel at arm pivot, overcentre locked in raised and lowered position while under power.
Arm Damping	Polyurethane buffer end stops.
Arm Counterbalance	Dual adjustable counterbalance tension springs, according to length of arm.
Reversible Option	Configurable for reverse operation, left or right.

Power Fail Protection Automatic arm raise on power failure.

Inductive Loop Detectors

Type	Bulwark USA PD139 or Bulwark 949-12SC.
Functions	Automatic closing, arming or auxiliary.
Tuning Method	Automatic environmental tracking.

Packaging

Excluding arm	
Shipping Weight	139lbs, (63kgs) gross
Dimensions	40 in.(H) x 17 in.(W) x 22 in.(D). (1016mmx432mmx559mm).

Weight

Excluding Arm	123 lbs (56kgs).
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