



LIGHT COMMERCIAL
MOTORISED POOL COVER
REEL SYSTEM

OPERATOR'S MANUAL



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GENERAL DESCRIPTION OF YOUR SYSTEM

The Plastica Commercial Electric Reel System is designed to be safe and simple to operate. This makes the task of covering your pool as quick and as easy as possible, thus minimising heat loss.

The system works from a single phase electrical supply and does not exceed 240 volts inside the pool area or 12 volts within the immediate pool vicinity. Operation is primarily via a three button hand held radio transmitter. This is backed up by a wall mounted, three button control box with a key operated isolator stop switch. These buttons operate a motor driving the stainless steel tube which spans the pool. The cover is attached to this tube by tarpaulin straps that enable the cover to be wound up and stored conveniently.

All components are designed to be as maintenance free as possible and are totally compatible with conditions found in pool enclosures. The outer surfaces of the support units are encased in mirror polished 316 grade stainless steel so as to ensure a good quality appearance with only light maintenance necessary.

With this system, it is possible to cover and uncover your pool with the minimum of fuss, in the minimum of time and when not in use the system and cover do not infringe unnecessarily upon the function of the pool environment. This not only improves the life expectancy of the cover but also means the cover can be put on the pool where it is reducing heat and chemical loss whenever the pool is not in use.

GENERAL WIRING DESCRIPTION

The electrical supply is a standard 240 volt, single phase supply. This runs through an Earth Leakage Circuit Breaker. (E.L.C.B.) to an isolator switch (both supplied by others) and then into the transformer box where it is connected to the terminals for line in.

The transformer box contains the relays which control the inward and outward operation of the reel system via a 12V control box or R.C receiver mounted in the pool area.

SETTING OR RE-SETTING THE COVER TRAVEL LIMITS

On the end of the motor there are two limit switch setting screws which adjust the stop positions of the cover. To extend the length of travel turn the appropriate knob in the positive direction as indicated next to the screw. To shorten the length of travel turn the knob in the negative direction. Care must be taken not to shorten travel length whilst the system is already up to this point, i.e. always back the reel away before adjustment.

NOTE: This motor is not continuously rated and so should be allowed to cool for 30 mins after covering or uncovering the pool.

ELECTRIC REEL OPERATION SEQUENCE

TO COVER

- 1 Mains power turned on at earth leakage circuit breaker
Power now on to transformer box.
- 2 Attach tow rope onto the cover and lay it down the length of the pool. Remove obstacles from the pool itself.
- 3 System is started by inserting and turning the 'Key' in the isolator stop switch to unlatch it which activates the control box in the pool enclosure.
- 4 There are now two ways the reel can be activated. Either push the button on the control box or the button on the hand held remote.
- 5 The motor will start to pay the cover out onto the pool. The tow rope should be used to guide the cover onto the pool. Avoid letting the cover pile on top of itself or the deck and do not pull faster than the reel. A steady, gentle pressure should be all that is required.
- 6 When the pool is covered the motor will stop on pre-set limit switches.
- 7 If it is required that the cover needs to be stopped half-way there are two methods that can be used. Pressing either the stop button on the wall mounted control box, or the stop button on the hand held remote will stop the motor.
- 8 The tow rope should now be detached and stored in a safe place. The isolator stop button should be pressed, and the key should now be removed to de-activate the controls.

TO UNCOVER

- 1 To uncover the pool, turn the key to activate the system. Push the button on the hand held remote, and the motor will activate to uncover the pool. Alternatively use the button on the control box.
- 2 When the cover is fully rewound the motor will stop.
- 3 The motor may be stopped at any time using the procedures outlined above.
- 4 To leave the system safe, press the isolator stop button, and remove the key.

CARE & MAINTENANCE

- DO Wash both the cover and reel systems down with clean tap water at least once a month. This helps reduce the build up of harmful concentrated chemicals.
- DO Have the reel system checked annually by an engineer. This check should include checking the bearings for wear and lubrication as well as all bolt and screw fixings.
- DO Regularly check that the cover straps are all evenly tensioned as uneven straps will cause bad rolling characteristics.
- DO Ensure that pool water is not allowed to collect and lie continuously on top of the cover (this can sometimes happen near a badly positioned return jet) as this will eventually cause damage to the cover and bad rolling characteristics.
- DO NOT Pull the tow cord harder than necessary to keep a steady tension on the cover to guide it along the pool. Excessive strain will cause the leading edge to twist and will hinder the cover's progress.
- DO NOT Let the cover wind in all way if it is rolling to one side or unevenly. If the cover winds up with lumps in the roll, and is allowed to continue, it will roll with a larger diameter in places. This can cause the cover to wind off to one side or roll in more cover with each revolution. If the cover does wind in badly it can "loop" over the tube. Reverse the cover slightly and manually "loop" it back over before proceeding to cover the pool. This will ensure the cover stops in the correct place.

SAFETY

The reel system must only be operated by fully trained and authorised personnel. These persons should be aware of all methods of switching, how to stop the motor and good practices for handling the cover.

Cover and tow cord should never be left obstructing the deck.

Pool must never be used whilst partially covered.

All obstructions must be removed from the pool before cover is operated.

NEVER try to get on top of the cover, or swim while the pool is even partially covered.

SPECIFICATION

WEIGHTS OF REEL SYSTEM

2.45 kg per metre for aluminium tube

6 kg for motor

15 kg for each end floor stand (2.6m).

5 kg for each end wall stand.

0.44 kg/0.56 kg per square metre for dry/wet weight of Supercover.

1.10 kg/1.22 kg per square metre for dry/wet weight of Olympex cover.

COMMERCIAL ELECTRIC MOTOR SPECIFICATION

Type	R12 C	
Voltage	240 a.c	50 Hz
Torque	120 Nm	
Power	530W	
Current	5A	

Main Power Supply Single Phase 240V 16A

Control Switches operate on 12V a.c (Nominal)