



Light Commercial Reel System

Installation Instructions

WARNING

IT IS MOST IMPORTANT THAT THESE INSTRUCTIONS ARE NOT ONLY READ BUT FULLY UNDERSTOOD BEFORE THE SYSTEM IS INSTALLED.
ALL ELECTRICAL WORK MUST BE DONE BY A QUALIFIED ELECTRICIAN.

SITING OF THE REEL SYSTEM

To prolong the life of the system it should be placed as close to the pool edge as possible, reducing both the wear on the cover and undue strain on the motor. This said, I.E.E. regulations must be adhered to and it is therefore recommended that the current issue is consulted prior to installation. In the case of public installations it is advisable to consult directly with the local council.

INSTALLATION PROCEDURE

1. Assemble reel system, and line up with pool edge.
2. Mark out base plate positions then disassemble reel.
3. Drill holes using base plates as a guide for pilot holes.
4. Fix base plates to wall / floor using fixings supplied. Use additional washers or similar to ensure that the plates are level.
6. Lay cover onto pool.
7. Insert motor end of tube into support, and lower bearing end onto nylon yolk.
8. Lock tube ends into place with bolts supplied.

ELECTRICAL INSTALLATION

1. Fix transformer box away from the pool area, but within a 2.5m cable run from the motor as this is the maximum allowed for. This unit is made easier to fix by removing the "guts" of the internal components using the four bolts inside. The unit, MUST be connected to the mains via an approved circuit breaking device so as to conform to all relevant local regulations.
2. If the cable is to be laid underground or through inaccessible trunking, it is advisable to put a junction box close to the motor unit.
3. Wire from the motor to the transformer as shown on the included diagram.
4. Fix the separate control box where required and wire from the transformer as shown.

SETTING UP THE SYSTEM

THIS SECTION IS VERY IMPORTANT ! PLEASE READ CAREFULLY

1. Switch on the mains supply.
2. Insert and turn the key in the control box.
3. Operate the motor fully in both directions*, counting the number of rotations between auto-stops, comparing this with the information below will give a good indication of whether more or less travel is required.

*NOTE: This motor is **not** continuously rated and so should be allowed to cool for 30 mins after each operation i.e. for 3 mins or longer.

ROTATIONS	11	13	16	20	25	30
POOL LENGTHS	6m	8m	11m	15m	21m	28m

4. Add an additional reel rotation per 0.4m of strap.
5. Extend or reduce the number of rotations to roughly coincide with your length of pool.

NOTE: IF ANY RESISTANCE IS FELT WHEN TURNING ADJUSTERS, TAKE THAT LIMIT BACK A FEW TURNS AND EXTEND THE OTHER LIMIT INSTEAD.

Take the reel to the full extent of it's outward travel and attach the pool cover (top of reel rotates towards pool).

Wind the cover in and manually stop it in the required position. If the cover stops short of the required position read on from **,if not take the cover back out a few turns using the motor, then adjust the inward limit adjuster to shorten the inward travel (Three revolutions of the micro adjuster equals one tube rotation).

Repeat again until the system stops short.

** Now with the system still turned on to operate in the inward direction, extend the travel in that direction until the required stopping position is obtained.

If there is not enough inward rotations before the end of microswitch travel, the system must be taken back out, the cover un-attached and the outward travel extended accordingly (Three turns of the micro adjuster to one tube rotation) before resuming from instructions.

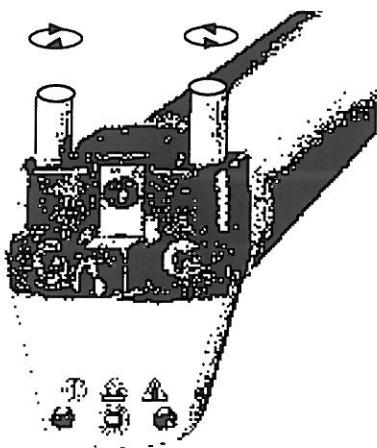


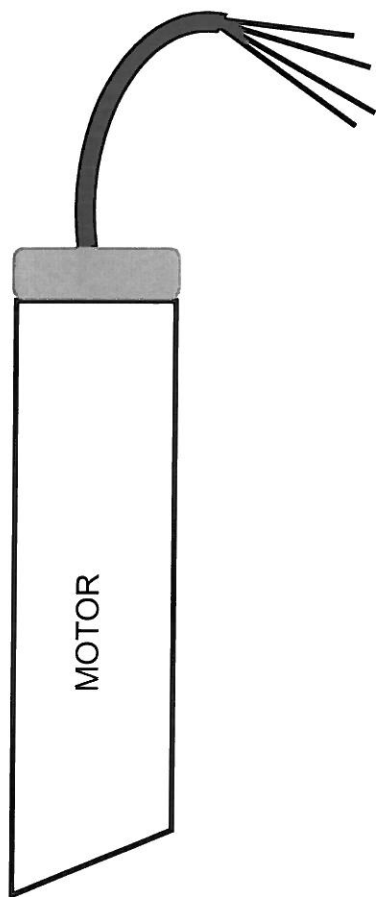
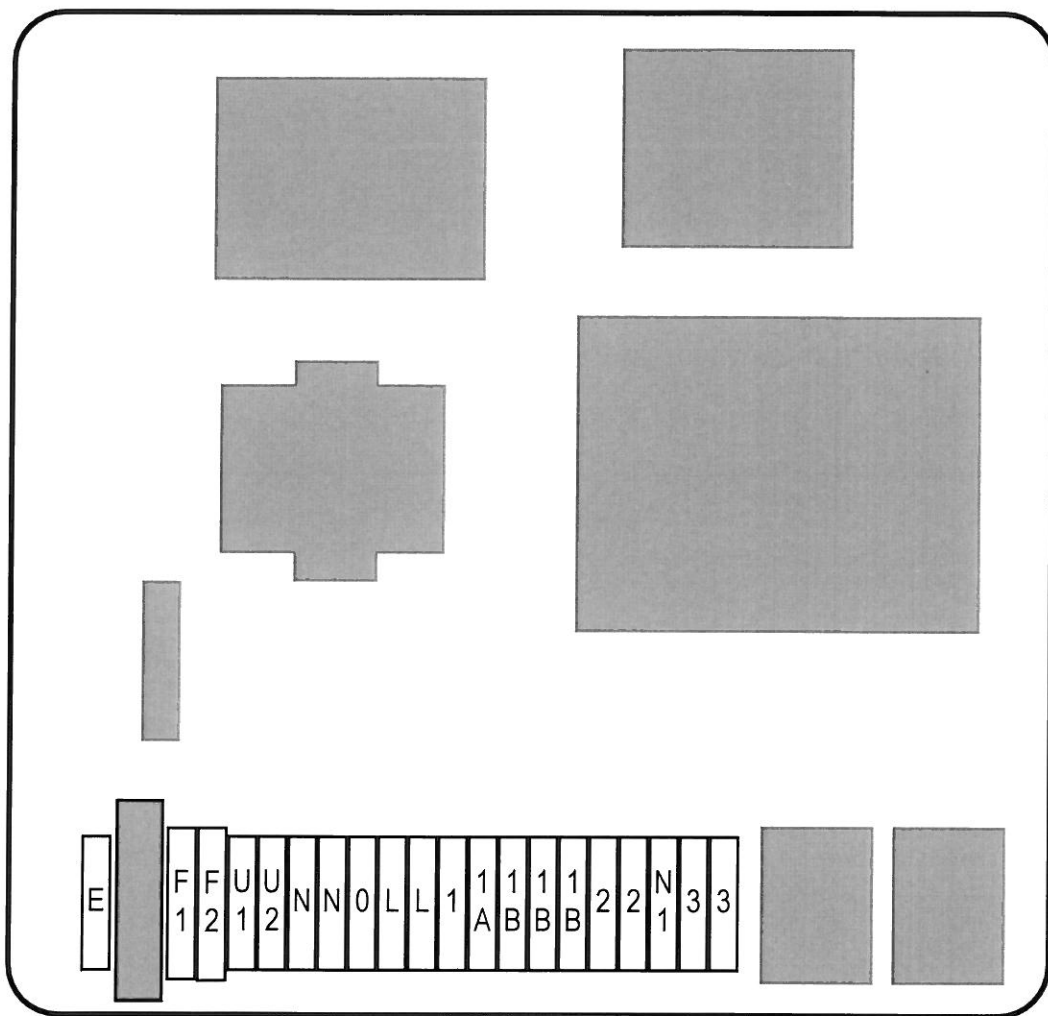
DIAGRAM SHOWING WHICH ADJUSTER IS FOR WHICH TRAVEL DIRECTION.

THIS IS ALSO MARKED ON THE MOTOR ITSELF.

A directional arrow is assigned to each adjusting pin. The limit switch range is increased by turning the adjusting pin clockwise (towards +), and is decreased by turning the pin anti-clockwise (towards -). One turn of the adjusting pin corresponds to approx. 120° rotation of the tube.

For fine adjustment of the limit switch point, always move motor backwards by one full turn and approach the correct switch point again.

Never drill holes into the tube within vicinity of tubular motor.



MOTOR	MAIN PANEL
Brown.....	U1
Black	U2
Blue	N1
Earth	E

MAIN PANEL	CONTROL
1	1
1A.....	2
2	3
3	4
0	5

