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MOTORISED POOL COVER OPERATING & TROUBLESHOOTING MANUAL

FOR USE WITH SYSTEMS FEATURE A LOW VOLTAGE 24VDC
MOTOR



OPERATING INSTRUCTIONS

1. Empty the swimming pool of all swimmers and ensure that the area immediately in front of the cover (deployment area) is kept clear whilst the cover is in operation.
2. If e-stop is released and emitting no blue light, or emitting a double flash, depress e-stop button to reset system (see Options – Automatic Shutdown and Options – Setback Mode).
3. Twist e-stop button to release and start. The blue light in the centre of the e-stop button will flash.



Operation via Remote Transmitters

Deploying Cover

1. Remove all lane ropes, fixings and where possible, steps, lifting aids etc.
2. Press out button on transmitter to start the motor, and press again to stop when cover is at hand height.





3. Untie ropes and attach lanyard to stainless steel ring.
4. Walk to the opposite end of the pool with the lanyard and remote transmitter.
5. **Ensure that no-one has entered the pool or deployment area.**
6. Press the out button to deploy the pool cover, keeping lanyard taught and ensuring cover does not drag on poolside.
7. Once fully deployed, press the out button on the transmitter again to stop the motor.
8. If the system does not have automatic shutdown or setback mode (see Options - Automatic Shutdown and Options – Setback Mode), depress e-stop button to disable controls.
9. Remove and store lanyard.

Retrieving Cover

1. **Ensure that no-one has entered the pool or deployment area.**
2. Press the in button on the remote transmitter to start the system. Operator must remain on poolside.
3. Once the cover reaches hand height, press the in button on the transmitter again to stop the motor.
4. Remove and store the lanyard and tie the tow ropes.
5. Press the in button on the transmitter to re-start the motor and retract the cover fully, until the leading edge reaches the one o'clock position.
6. If the system does not have automatic shutdown or setback mode (see Options - Automatic Shutdown and Options – Setback Mode), depress e-stop button to disable controls.



Operation via Control Station

Deploying Cover

Note: Deploying the cover using the Control Station requires 2 operators. Operators must remain poolside during use of the system.

1. Remove all lane ropes, fixings and where possible, steps, lifting aids etc.
2. Hold selector switch to the cover in position until e-stop blue light is constantly lit.
3. Turn the selector switch to the cover out position momentarily to start the motor. Operators must remain on poolside.
4. Once cover reaches hand height, turn the selector switch to the cover out position momentarily again to stop the motor.
5. Untie ropes and attach lanyard to stainless steel ring
6. Ensure that no-one has entered the pool or deployment area.
7. Position one operator at the operator control station, while the other operator walks to the opposite end of the pool with the lanyard.
8. Turn the selector switch momentarily to the cover out position to deploy the cover. The operator at the opposite end of the pool to keep the lanyard taught and ensuring the cover does not drag on poolside. Operator at control station to remain at control station in the event the motor needs to be stopped.
9. Once fully deployed, turn the selector switch to the cover out position to stop the motor.
10. Remove and store lanyard.
10. If the system does not have automatic shutdown or setback mode (see Options - Automatic Shutdown and Options – Setback Mode), press e-stop button to disable controls.

Retrieving Cover

1. **Ensure that no-one has entered the pool or deployment area.**



2. Hold selector switch to the cover in position until e-stop blue light is constantly lit.
3. Momentarily turn the selector switch to the cover in position to start the motor. Operator to remain on poolside.
4. Once the cover reaches hand height, momentarily turn the selector switch to the cover in position to stop the motor.
5. Remove and store the lanyard and tie the tow ropes.
6. Momentarily turn the selector switch to the cover in position to re-start the motor and retract the cover fully, until the leading edge reaches the one o'clock position. Momentarily turn the selector switch to the cover in position to stop the motor once at this position.
7. If the system does not have automatic shutdown or setback mode (see Options - Automatic Shutdown and Options – Setback Mode), press e-stop button to disable controls.

OPTIONS

Automatic Shutdown

If activated, the unit will shut down after a fixed period of time. To reset the system, press e-stop button and twist to release.

Setback Mode

If activated, the unit will monitor the cover while it is operating in an outwards direction for a fixed period of time. Once triggered, the system will prepare to enter setback mode for monitoring energy optimisation purposes. Once the shutdown timer expires, the setback relay will change state and the blue light on the e-stop will generate a series of double flashes. Setback mode is cancelled once the system is reset (see Automatic Shutdown).



EXTENDING THE LIFE OF YOUR POOL COVER

1. Always remove lane ropes, as the ropes attached to the cover will inevitably become caught and will result in eyelet damage.
2. If a cover has been manufactured for use with removable steps, these must be removed each time the cover is used. Failure to do so will result in premature creasing and possible tearing of the cover.
3. Ensure that the ropes attached to the leading edge are untied/of an equal length. Failure to do so will result in eyelet damage.
4. Never allow a cover to touch the floor during deployment, as this will cause wear and require additional effort from the operator. If this becomes difficult, contact us about our removable guide rail system.
5. Always remove guide rails before retrieving a pool cover.
6. Inform us as soon as damage has occurred, as many repairs can be carried out on site.
7. We recommend that the structural integrity and operation of the pool cover system is checked on an annual basis



TROUBLESHOOTING

Cover fails to rotate – E-stop not flashing and released

If Automatic Shutdown is enabled (see Options – Automatic Shutdown), the system may need reset. To reset the system, press e-stop button and twist to reset and start system.

If Automatic Shutdown has not been set, check whether mains voltage is available at the distribution board of point of supply.

If Automatic Shutdown has not been set and mains voltage is available, contact Forge Leisure (UK) Ltd on 01670 522 022 for further assistance.

Cover fails to rotate – E-stop flashing and released

If the e-stop is displaying a double flash, the system is in setback mode and needs reset (see Options – Setback Mode). Press e-stop button and twist to release to reset and start system.

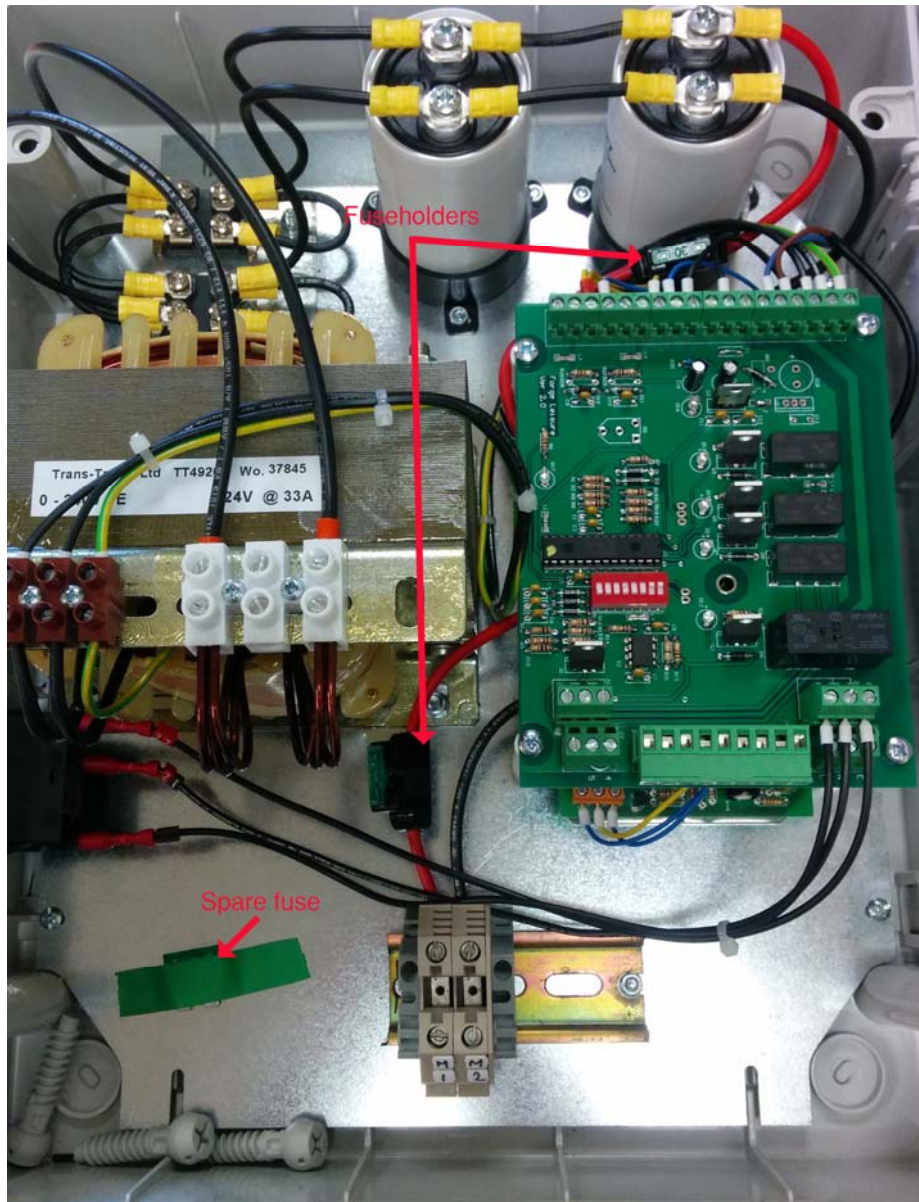
If the e-stop is displaying a single flash, hold the selector switch to the cover in position until it shows a solid light.

If the system is still not operational, locate the control unit. This will generally be in an adjacent plant room or corridor.

Having located the control unit, check the side of the unit for the green trip switch. This is a 16-amp thermal trip switch and will trip under a fault condition. If the switch is in the off position, switch to on position and retry operation.



If the trip switch is in the on position and the system is still not operating, isolate mains power to the system and open the control unit. Check the 30 amp fuses protecting the DC power circuit. A spare is attached to the backplate of the control unit.



If the system is still not operational, contact Forge Leisure (UK) Ltd on 01670 522 022 for further assistance.



MANUAL REMOVAL OF A POOL COVER

In the event that the system will not retrieve a pool cover, two able bodied people can manually remove the cover from the water.

1. One person stands either side of the cover at pool edge and firmly grab the edge of the cover.
2. Walk backwards by approximately one metre taking the cover with you, so that it either lays on to the connecting straps or the remaining cover.
3. Repeat this process until all of the cover is removed from the pool.
4. Wherever possible, do not cut the cover / connecting tapes or place the leading edge of the cover on the bottom of the pile.
5. Contact us on 01670 522022, stating that the system has failed with the cover off the roller.