Clutch Lock Installation

Installation instructions for Optec's Clutch Lock for QuickSync or DirectSync motors.

For some remote users the outstanding clutch lock design of Optec's QuickSync and DirectSync motors is not required. With distance telescope installations the chances of an accidental disengagement of the clutch can be a valid concern.

To alleviate this concern Optec has developed the **QuickSync/DirectSync Clutch Lock**. This simple 3D printed clamp will ensure accidental disengagement of the focus motor cannot occur.

Package Contents:

The Clutch Lock consists of a custom designed collar that is 3D printed from PETG-CF material making it strong and long lasting. The kit includes:

- QuickSync / DirectSync Clutch Lock
- 20mm long M3 self-tapping screw.

You will also need a standard Phillips type cross-tip screwdriver to install.

How to Order:

Visit https://optecinc.us/products/19799 or click the QR code below to order directly from Optec's web store.

Optec

Installation Procedure:

The Clutch Lock will fit any Quicksync (including FeatherTouch HSM) or DirectSync motor with the exception of the DirectSync ACFX motor. The Clutch Lock fits both the original style motors for FocusLynx or the USB version ThirdLynx motors.

Assuming the motor is properly installed and adjusted, a clockwise rotation of the motor end cap (as viewed from the end) will engage the clutch. A counter-clockwise rotation will disengage the clutch and motor.

Engage Motor:

With the motor engaged, you will slip the clutch lock ring over the end cap with the locking tip toward

the focuser body. Note the end cap has a small 1/16" stainless steel pin that limits the rotation of the end cap. Rotate all the way clockwise to engage the motor.

Install Clutch Lock:

Slide the Clutch Lock over the end cap and position the locking tip into the slot where the stainless steel pin is captive. Be sure to slide the Lock over the knurl of the end cap.

Next, rotate the Clutch Lock in the opposite direction of the stainless steel

pin so that, when tightened, the end cap can no longer be rotated. Add the self-tapping M3 screw and tighten securely.

Check for any possible disengagement of the motor clutch. The QuickSync or DirectSync motor should now be fully engaged without any chance of accidental disengagement of the motor.

Contact support@optecinc.com with any questions, concerns, or comments.