

Operation Instruction of ABB Automatic Locking Mid-Pole Operator (MPO)

Qualified Personnel Only

The automatic locking mid-pole operator covered by this publication must be operated by qualified personnel who are knowledgeable in operation of distribution switch equipment along with associated hazards. A qualified personnel is one who is trained and competent in:

- The skills and techniques necessary to distinguish exposed live parts from non-live parts of electrical equipment.
- The skills and techniques necessary to determine the proper approach distances corresponding to the voltages to which the qualified person will be exposed.
- The proper use of the special precautionary techniques, personal protective equipment, insulating and shielding materials, and insulated tools for working on or near exposed energized parts of electrical equipment.

Read and keep these instructions

Carefully read and understand this instruction sheet before operating your ABB automatic locking mid-pole operator. For safe operation the appropriate Australian or International Standards should be applied.

This instruction sheet should be available for reference wherever automatic locking mid-pole operator is used. Keep this instruction sheet in a location where you can easily retrieve and refer to it.

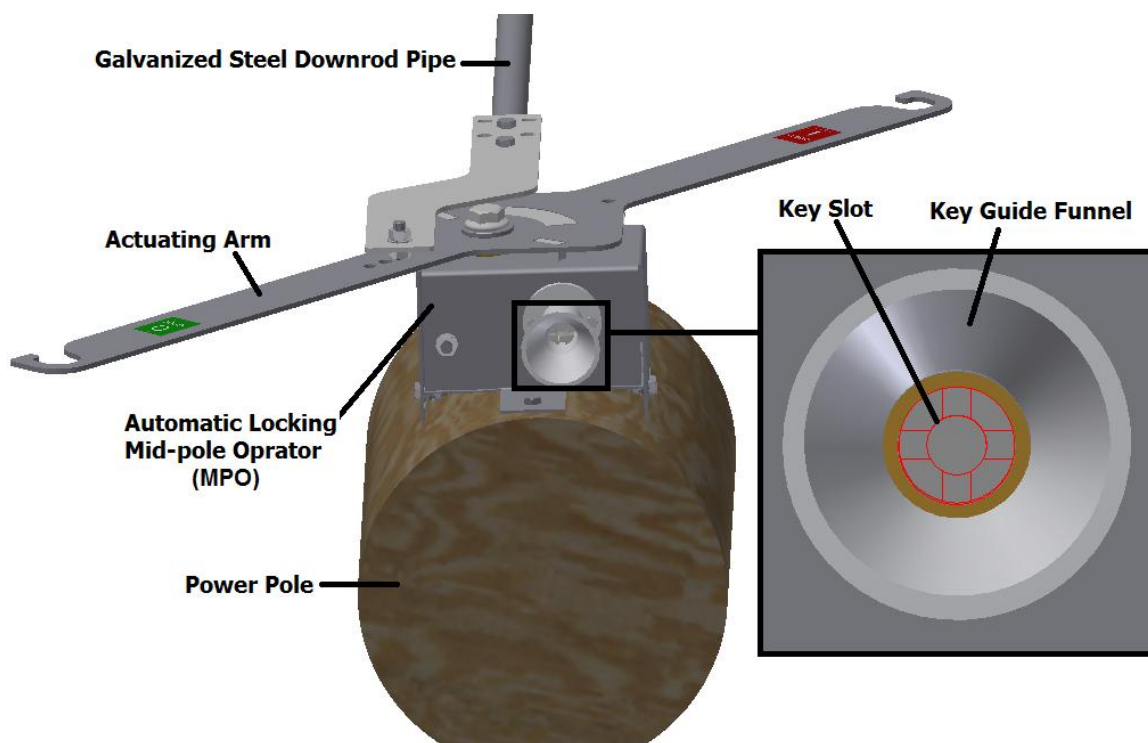
Proper Application Only

The equipment covered by this publication **MUST** be selected for a specific application within the specified characteristic.

Notice

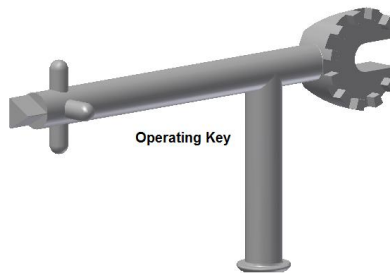
The instructions covered in this publication are intended only for qualified personnel and are not a substitute for adequate training and experience in safety procedures.

Part identification:

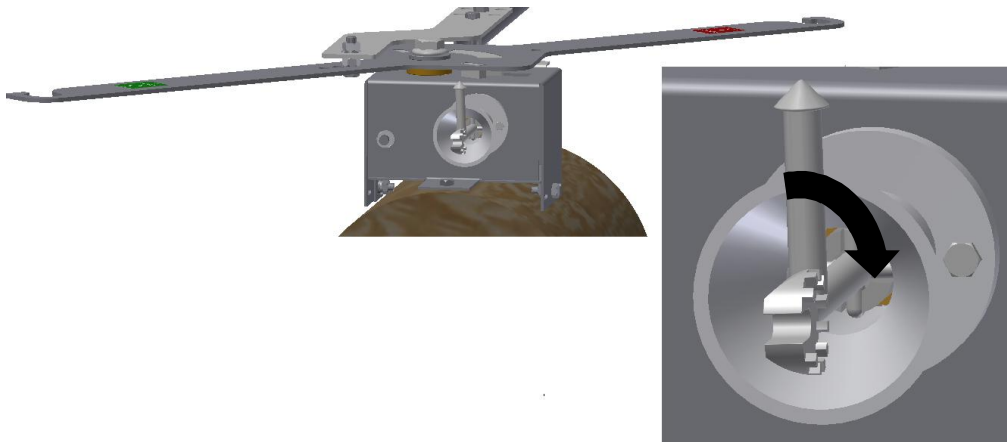


Operating Key:

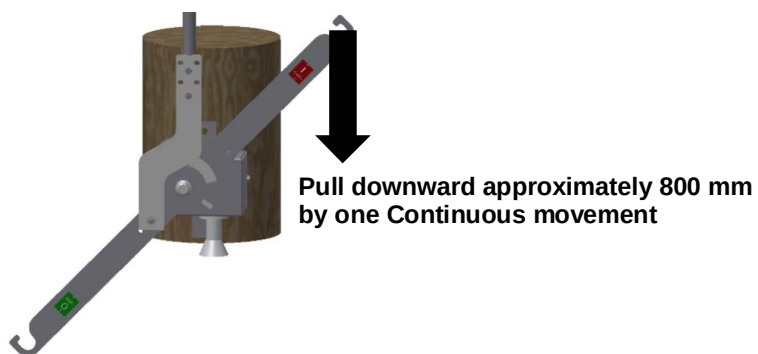
(Note: AK Power Solution 06332 key can be used to operate ABB Automatic locking mid-pole Operator)

**Closing operation:**

Step 1 (Unlock the mid-pole operator (MPO)): To unlock the MPO unit insert the operating key into MPO Key slot, push up and rotate the key 90 degrees counter-clock wise. When the MPO is unlocked, remove the key from key slot.



Step 2 (Pull actuating arm): Turn the actuating arm of MPO about 90° clockwise by pulling from the right-side of the actuating arm by **one continuous movement**.



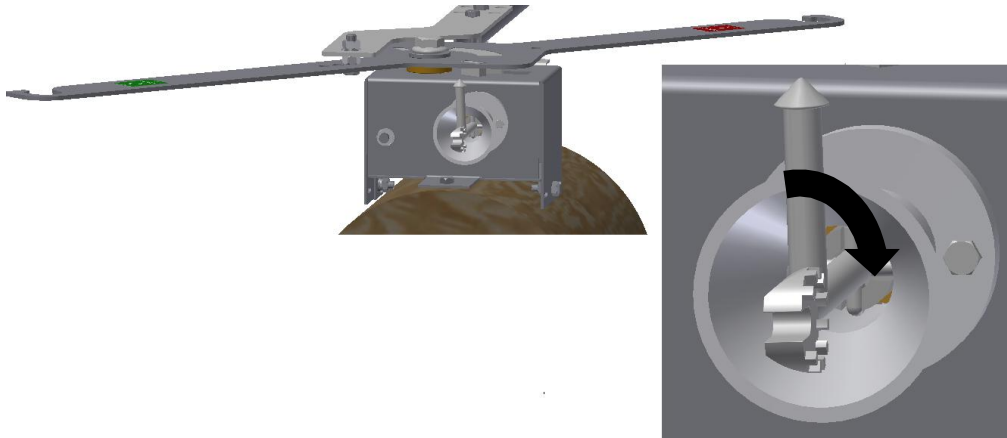
Note1: The switch is fully closed when the position indicator on load break switch located at top of pole shows closed position **I**.

Note2: ABB mid-pole operator (MPO) **will be locked automatically** and for next operation the unit must be unlocked using the operating key.

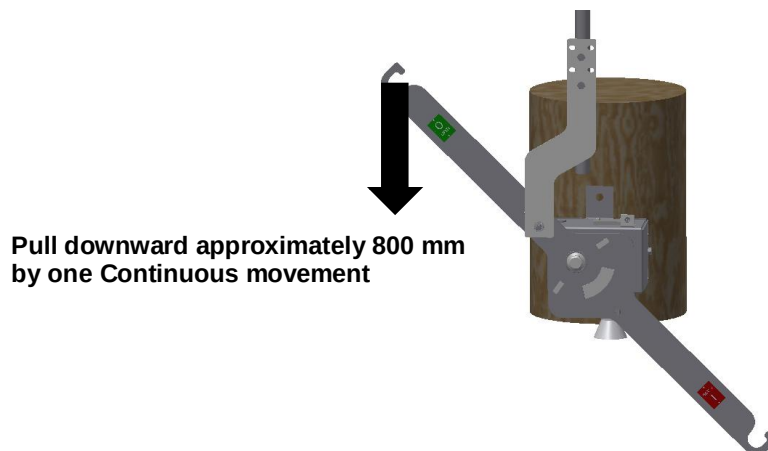
Note 3: On step 2 if the actuating arm is not turned with one continuous movement and is stopped half-way the mid-pole automatic locking mechanism will be reset and the arm will be locked again thus mechanism needs to be unlocked using the operating Key as per procedure given in step 1.

Opening operation:

Step 1 (Unlock the mid-pole operator (MPO)): To unlock the MPO unit insert the operating key into MPO Key slot, push up and rotate the key 90 degrees counter-clock wise. When the MPO is unlocked, remove the key from key slot.



Step 2 (Pull actuating arm): Turn the actuating arm of MPO about 90° counter-clockwise by pulling from the left-side of the actuating arm by **one continuous movement**.



Note1: The switch is fully open when the position indicator on load break switch located at top of pole shows closed position .

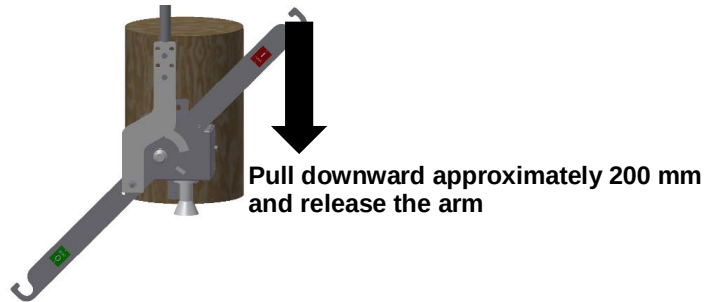
Note2: ABB mid-pole operator (MPO) **will be locked automatically** and for next operation the unit must be unlocked using the operating key.

Note 3: On step 2 if the actuating arm is not turned with one continuous movement and is stopped half-way the mid-pole automatic locking mechanism will be reset and the arm will be locked again thus mechanism needs to be unlocked using the operating Key as per procedure given in step 1.

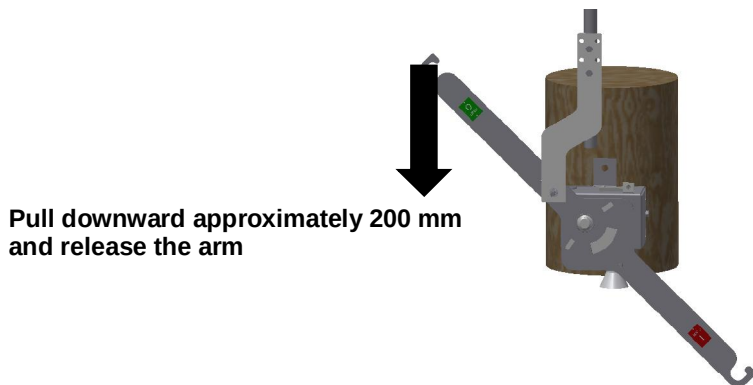
Relocking the MPO unit without rotating the actuating arm and operating the load break switch

In circumstances when the mid-pole operator unit is unlocked (as per instruction given on step 1 of opening and closing operation) but the operator tends to relock the mid pole operator unit without rotating MPO actuating arm and operating the load break switch:

- a) If the load break switch is in open position (position indicator shows ) rotate the Mid-pole operator actuating arm approximately 20 degree clockwise and release the arm so the MPO will be locked again and for the next operation the Mid-pole operator device should be unlocked using the mid-pole operator Key.



- b) If the unit is in closed position (position indicator shows ) rotate the MPO arm approximately 20 degree counter-clockwise and release the arm so the MPO will be locked again and for the next operation the Mid-pole operator device should be unlocked using the mid-pole operator Key.



Note: The load break switch can also be locked with manual locking device at open or close position by using a hook stick.

