# REMOTE RACKING SYSTEM

**SPECIFICALLY DESIGNED FOR:**

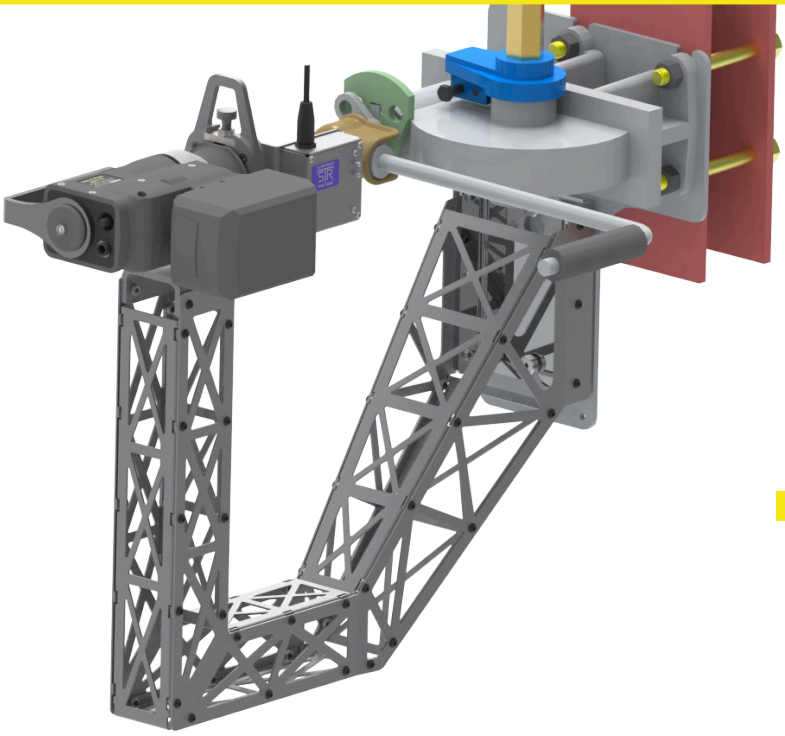
**BUILT FOR:** HOGO Line-Rupter
**MANUFACTURER:** S&C
**CURRENT:** N/A

# SAFE-T-RACK©
by Remote Solutions LLC

Because Distance is the Best Arc Flash Protection

## ULTRAVIOLET
365

ULTRAVIOLET STR® TOOL CODE



- VARIABLE OPERATOR-CONTROLLED SPEEDS
- LIGHTWEIGHT AND PORTABLE
- EASY-TO-USE HANDHELD CONTROLLER
- STANDARD 50' CABLE (WITH OPTIONAL EXTENSIONS) ASSURES SAFE DISTANCE FROM SWITCH DURING OPERATION SEQUENCE
- ERROR RECOVERY & EMERGENCY STOP CAPABILITY
- MOUNTING PLATE INSTALLED BEHIND SWITCH

## PARTS & ACCESSORIES

Smart Drive Bracket,
Tool Adapter Assembly, Motor Drive Unit,
Handheld Controller,
and 50' Communications Cable


All of our products are designed, built to spec, and shipped from our state-of-the-art facility in Tucson, Arizona. Each product is created and tested by our knowledgeable team of designers and engineers to fit each individual breaker, cubicle door, switchgear, or variant. When you choose Safe-T-Rack, you're getting the safest, most reliable product on the market.

**OUR TEAM GOES TO WORK EVERY DAY TO MAKE SURE YOUR TEAM COMES HOME SAFE.**

**REMOTE SOLUTIONS, LLC**
2475 N. Jackrabbit Avenue · Tucson, AZ 85745 · (520) 628-4378 ·
FAX (520) 628-4568 · www.Safe-T-Rack.com
www.safe-t-rack.com/Patent/

MADE IN THE USA

# ULTRAVIOLET 365 OPERATION MANUAL

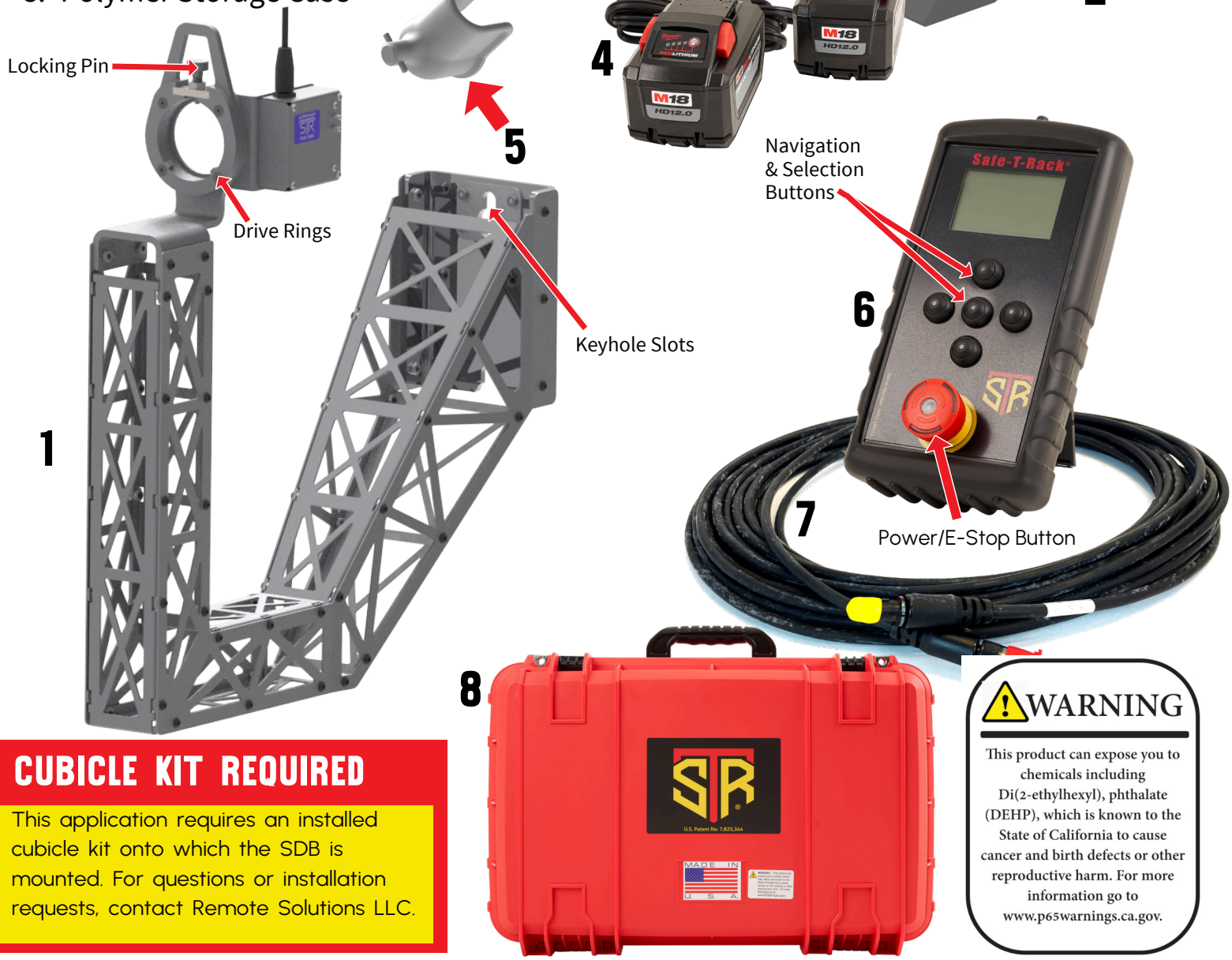
**BUILT FOR:** HOGO Line-Rupter
**MANUFACTURER:** S&C
**CURRENT:** N/A

## SAFETY FIRST

Always observe safety precautions and use personal protective equipment (PPE) as required by local site procedures. This equipment is designed to further minimize exposure risk to the operator.

## PARTS LIST

1. Smart Drive Bracket (SDB)
2. Tool Adapter Assembly (TAA)
3. Motor Drive Unit (MDU)
4. Two (2) batteries with charger
5. Handle Adapter
6. One (1) SR-U Handheld Controller (HHC)
7. 50’ Communication Cable*
8. Polymer Storage Case




## CUBICLE KIT REQUIRED

This application requires an installed cubicle kit onto which the SDB is mounted. For questions or installation requests, contact Remote Solutions LLC.

**WARNING**

This product can expose you to chemicals including Di(2-ethylhexyl), phthalate (DEHP), which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

# SETUP SEQUENCE

## SMART DRIVE BRACKET (SDB)

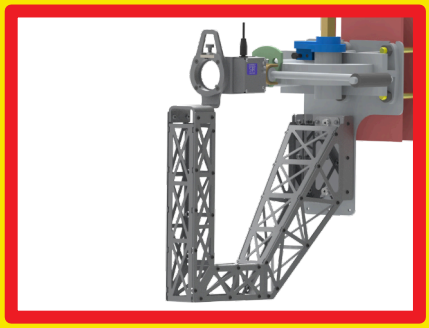
1. Assure that switch is fitted with mounting plate, and that Standard Drive Bracket (SDB) and mounting plate are both labeled with ULTRAVIOLET color code.
2. Hang Smart Drive Bracket (SDB) from cubicle using installed Shoulder Nuts. SDB will suspend securely from keyhole slots.

## MOTOR DRIVE UNIT (MDU), ROTATING ADAPTER, & TOOL ADAPTER ASSEMBLY (TAA)

1. Using Quick Change Coupling, insert Tool Adapter Assembly (TAA) into Motor Drive Unit (MDU) and release collar. Assure that TAA is secured before proceeding.
2. Attach fully charged battery to MDU.
3. Place Handle Adapter over handle of Line-Rupter at center axis, aligning and fitting adapter securely onto support shaft of handle.
4. Set the locking pin on SDB to an open position and insert MDU & attached TAA into the drive rings on SDB.
5. Align and engage the TAA with Handle Adapter. When properly engaged, adapter will be securely fitted against line-rupter handle. Once aligned, release locking pin to hold MDU in place. Confirm that MDU and Handle Adapter are secured before proceeding.
6. Connect SDB communication cable to port in MDU. *Note: Red line on communication cables indicates correct alignment with port.*

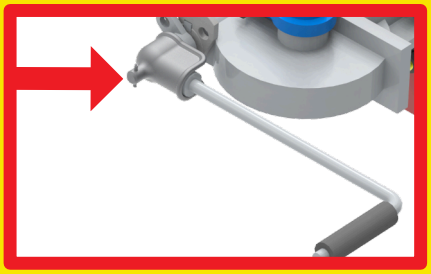
## HANDHELD CONTROLLER (HHC)

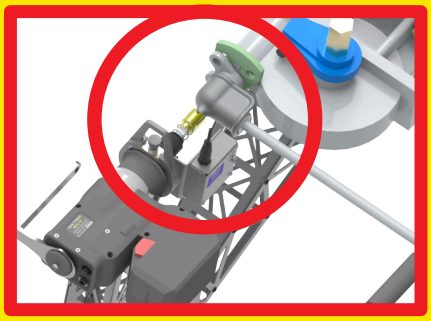
1. Connect 50’ Communication Cable to second port in MDU.
2. Connect other end of 50’ Communication Cable to Handheld Controller (HHC)*.
3. Move a safe distance away from the Line-Rupter.



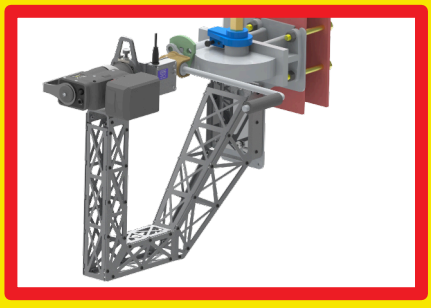
SDB SUSPENDED FROM SHOULDER BOLTS OF CUBICLE KIT

MDU WITH ATTACHED TAA





MDU WITH TAA ENGAGED WITH HANDLE ADAPTER AND DRIVE RINGS



FULL ASSEMBLY READY FOR SDB AND HHC COMMUNICATION CABLES

*Note: Multiple cables can be used to increase safe distance from breaker. Additional cables sold separately. Contact Remote Solutions LLC for more information.

## POWER ON

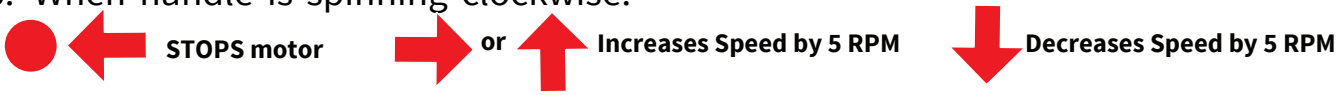
1. Twist the E-Stop switch on HHC to activate the system.
2. Several screens will flash as unit powers up. Once HHC has powered up, **verify correct application screen is displayed.**

## BATTERY REQUIREMENT

Note: System will ask to verify battery level. Check battery level is at 4 bars before attempting to operate. If operating multiple switches, please verify battery level between each operation attempt.

## SYSTEM OPERATION

1. After power-up screens have cycled, system will offer only two options: clockwise and counter-clockwise rotations, operated by either the “Right” or the “Left” button.
2. Process is initiated according to user action: pushing the “Right” button spins the device and handle clockwise. Pushing the “Left” button spins the device and handle counter-clockwise. Remotely manouver handle until desired position is reached.
3. When handle is spinning clockwise:




4. When handle is spinning counter-clockwise:


**Note: If a perceived issue occurs, pushing the Center Button (backlit in green) will stop the motor and pause the process.**


## POWER DOWN & STORAGE

1. Power down the unit by pressing the E-Stop button. Remove battery from MDU.
2. Unplug power cord and HHC communication cord from SDB.
3. Remove MDU from SDB.
4. Remove TAA from MDU and remove Handle Adapter from Line-Rupter handle.
5. Stow 50’ Communication Cable, HHC, MDU, and batteries in storage case.
6. Remove SDB from Line-Rupter and store in provided polymer case.

## CARE & MAINTENANCE

To ensure longevity of the Portable Kit and SDB, store the tools in the provided polymer case in a dry, temperate environment. The tools are weather resistant but should be used with care in rain and snow.

# ERROR RECOVERY

**The ULTRAVIOLET system does not have an automatic error recovery.** System must be operated under supervision of trained individuals. If a perceived error occurs, pushing the Center Button (backlit in green) on the Handheld Controller (HHC) will stop the motor and pause the process.

If at any point while operating the system the motor reaches its power limit it will automatically stop, in order to prevent potential equipment damage. To re-start the handle rotation, simply press the “Right” or “Left” button on the Handheld Controller (HHC) to resume procedure.

NOTE: Attempting to stop or shutting down the system mid-process is not recommended. Please ensure that operator is observing progress of system at all times, proper PPE is worn, and that operators adhere to all safety and site procedures.


# EMERGENCY STOP

The red E-Stop button on the HHC serves as both the power and Emergency Stop button. If an E-stop is initiated, the system will shut down. Operator must then restart the process from “Power On.” Follow all safety procedures and wear appropriate PPE when operating any overhead electrical equipment.

For any questions, concerns, information, or missing/ replacement parts, contact Remote Solutions below or follow the QR link to our website.

SAFE-T-RACK© by Remote Solutions LLC

www.safe-t-rack.com/Patent/

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