Rees partners with Woodhead

Rees, Inc. is now offering Daniel Woodhead's Ultra-Lock™ Connection System on a variety of our cable operated and rope pull switches. Installation of these switches will now be as easy as; point and push.

Our reputation is built on the reliability and quality of our products. It is not uncommon to find our switches still in operation more than thirty years after installation. Now we are offering a way to make your installation more efficient and reliable by providing a UL approved, pre-wired product that will accept a standard 5 pin or 8 pin, M 12 connector, or the Ultra-Lock™ Connection System family products.

Rees continues to offer other outstanding and unique products such as: ergonomically friendly palmbuttons, heavy duty double plunger controls and very select emergency stop buttons. We are proud of our tradition and reputation and strive to exceed our customers' expectations. Please visit our website or contact us for additional information or an application evaluation.

Ultra-Lock™ Connection System

The fastest, easiest, and most secure connection

Fast

Simply **push down** to connect...and **pull up** to disconnect—THAT'S IT. The Ultra-Lock™ Connection System reduces installation time by 90 percent when compared to threaded connectors.

Simple

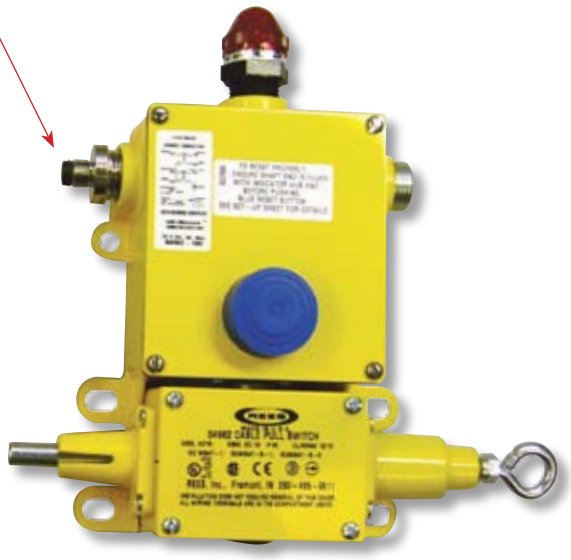
There's no twisting or turning with Ultra-Lock™ Connection System. That's a big advantage when working in tight spaces or with blind-mate applications. The simplicity and ergonomic design also mean installer fatigue is significantly reduced.

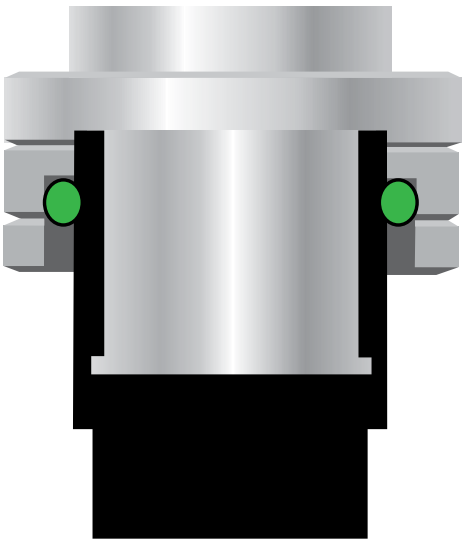
Secure

Ultra-Lock™ Connection Systems are mated with the same, simple downward pressure on every installation because of the unique O-ring seal. This installer independent, radial seal maintains IP 67/68/69K watertight connections.

Typical axial compression seals used in threaded connectors are dependent upon how tight the installer makes the connection. The problem is how tight is tight? No two connections are the same without using a torque wrench every time. Ultra-Lock™ Connection System takes the guesswork out of connections.

Ultra-Lock™ Connection System





Ultra-Lock™ Radical Seal
Installer-Independent
Reliable, watertight, constant-pressure seal

Cable Operated Switch Manual and Automatic Reset

64944-040

Ultra-Lock™ Connection System

Features/Applications

Rees cable operated switches are now available pre-wired with the Ultra-Lock™ Connection System and may be ordered with or without the indicator light.

The switches listed on this page with Manual Reset can be used for emergency stop or cycle stop applications. Automatic Reset switches are ideal for cycle stops but are not recommended for emergency stops. Maximum recommended cable length is 200 feet.

The Manual Reset switches are "slack cable" style requiring no cable tension simplifying the installation.

Various styles are listed below including a Nema 4X ideally suited for food, beverage and pharmaceutical related applications. For additional information please refer to our online catalog or contact us directly.

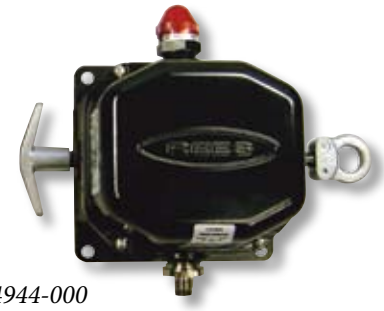
04944-000	Black No connector	Manual Reset	NO + NC NEMA 12/13, IP 65	_____	No Indicator Light
54944-700	Yellow Ultra-Lock™, 5 Pin	Automatic Reset	NO + NC NEMA 12/13, IP 65	5 series 4	No Indicator Light
64944-000	Black Ultra-Lock™, 5 Pin	Manual Reset	NO + NC NEMA 12/13, IP 65	6 series 4	24 Volt Indicator Light
64944-040	Yellow Ultra-Lock™, 5 Pin	Manual Reset	NO + NC NEMA 12/13, IP 65	6 series 4	24 Volt Indicator Light
64944-950	White Ultra-Lock™, 5 Pin	Automatic Reset	NO + NC NEMA 4X, IP 66	6 series 4	24 Volt Indicator Light
74944-200	Black Ultra-Lock™, 8 Pin	Manual Reset	(2)NO + (2)NC NEMA 12/13, IP 65	7 series 4	No Indicator Light
84944-600	Black Ultra-Lock™, 8 Pin	Manual Reset	(2)NO + (2)NC NEMA 12/13, IP 65	8 series 4	24 Volt Indicator Light

Additional part numbers are listed on pages 13 and 14. See pages 11 and 12 for schematics (i. e. 6 Series 4) diagrams.

Nema 4x

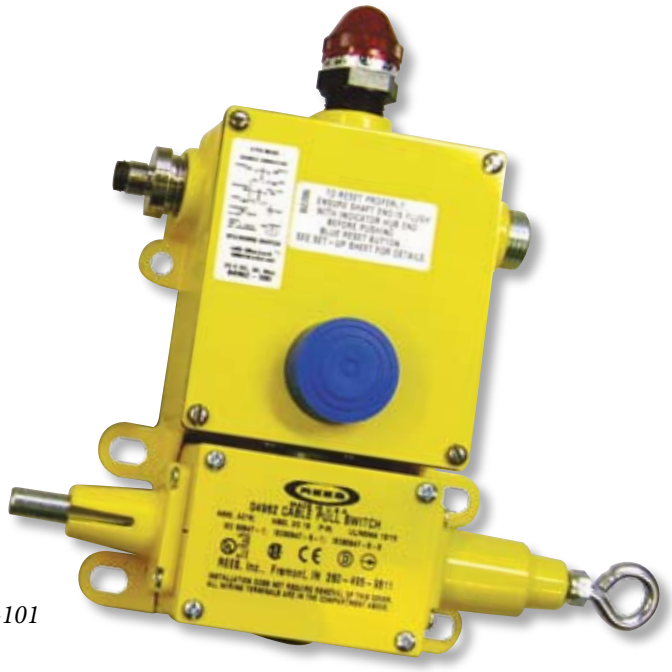
64944-950

Ultra-Lock™



64944-000

Cable Operated Switch with Broken/Loose Cable Detection



84962-101

Features/Applications

Rees offers a cable switch with broken/loose cable detection. These "taut cable" style switches are designed to detect excess slack in the cable, a broken cable or detached or removed cable. Ideal for emergency stop or cycle stop applications these switches are easy to set up and maintain.

Switches are currently available unwired or pre-wired with either a Ultra-Lock™ 8 pin connector or the 10 or 12 pin standard connector. They can be ordered with or without the indicator light.

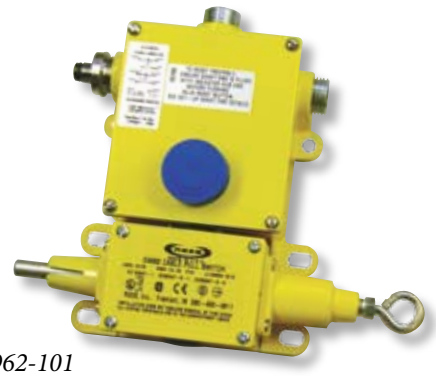
Various styles are listed below. For more information please refer to our online catalog or contact us directly.

04962-100	Yellow No connector	Manual Reset Right Hand Pull	(2)NO + (2)NC NEMA 12/13, IP 65	_____	No Indicator Light
04962-101*	Yellow 10 pin Connector	Manual Reset Right Hand Pull	(2)NO + (2)NC NEMA 12/13, IP 65	_____	24 Volt Indicator Light
04962-202*	Yellow 12 pin Connector	Manual Reset Left Hand Pull	(2)NO + (2)NC NEMA 12/13, IP 65	_____	24 Volt Indicator Light
74962-100	Yellow Ultra-Lock™, 8 Pin	Manual Reset Right Hand Pull	(2)NO + (2)NC NEMA 12/13, IP 65	7 series 4	No Indicator Light
84962-100	Yellow Ultra-Lock™, 8 Pin	Manual Reset Right Hand Pull	(2)NO + (2)NC NEMA 12/13, IP 65	8 series 4	24 Volt Indicator Light

**Not Ultra-Lock™*

Additional part numbers are listed on pages 13 and 14. See pages 11 and 12 for schematics (i. e. 7 Series 4) diagrams.

04962-101



74962-101

Single and Bi-Directional Cable Operated Switches with Flag Status Indicators

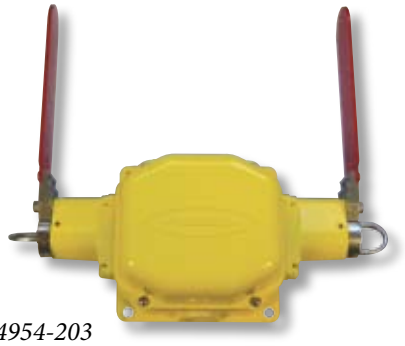
64953-111

Ultra-Lock™ Connection System

Features/Applications

Switches are now available pre-wired with the Ultra-Lock™ Connection System. They may be ordered with or without indicator light.

Visual inspection of the status of a cable operated switch can be enhanced with the single and dual flag indicators on Rees single and bi-directional cable operated switches. In addition to a definite visual status, the bi-directional switches function like two switches in one, with a total cable range of 200 feet in each direction. For more information please refer to our online catalog or contact us directly.



04954-203

04954-203	Yellow No connector	Manual Reset Dual Flags	(2) NC on Each End NEMA 4x, IP 66	_____	No Indicator Light
64953-111	Yellow Ultra-Lock™, 5 Pin	Manual Reset Single Flag-Right Pull	NO + NC NEMA 4x, IP 66	6 series 4	24 Volt Indicator Light
74954-202	Yellow Ultra-Lock™, 8 Pin	Manual Reset Dual Flags	NO + NC on Each End NEMA 4x, IP 66	7 series 4	No Indicator Light
84954-203	Yellow Ultra-Lock™, 8 Pin	Manual Reset Dual Flags	(2) NC on Each End NEMA 4x, IP 66	8 series 6	24 Volt Indicator Light

Additional part numbers are listed on pages 13 and 14. See pages 11 and 12 for schematics (i. e. 7 Series 4) diagrams.

Overhead Cable Operated Switch

84953-132

Ultra-Lock™ Connection System

Features/Applications

Manually resetting an overhead cable operated switch can be a challenge. One solution is the Rees cable operated switch with latch plates instead of flag indicators. A rope or cable extends from the latch plates and can be pulled to reset the switch. Maximum recommended cable length is 200 feet on each end.

04954-214

Ultra-Lock™

04954-214	Overhead No Connector	Manual Reset Dual Latch Plates	(2) NO/NC on Each End NEMA 4x, IP 66	_____	No Indicator Light (make-before-break contacts)
84953-132	Overhead Ultra-Lock™, 8 Pin	Manual Reset Single Latch-Right Pull	(2) NO/NC NEMA 4x, IP 66	8 series 4	24 Volt Indicator Light (make-before-break contacts)

Additional part numbers are listed on pages 13 and 14. See pages 11 and 12 for schematics (i. e. 8 Series 4) diagrams.

New Bi-Directional Cable Operated Switch

04946-204

Features/Applications

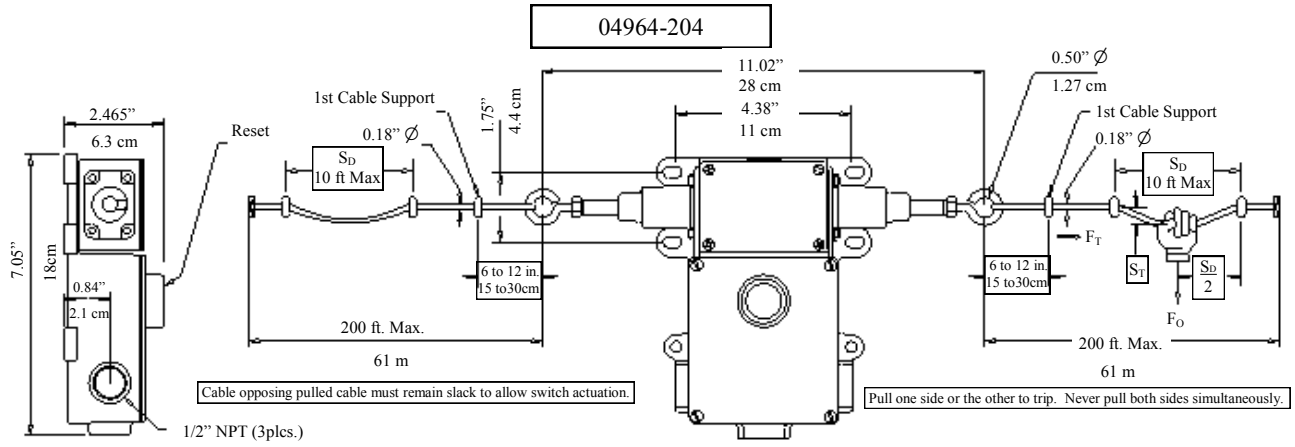
Our new "slack cable" style, bi-directional cable switch shown in the photograph will cover a span of up to 400 feet.

This switch has 2 NO / 2 NC contacts and is activated by pulling the cable on either side. This switch can only be activated by pulling on the cable one side at a time (not simultaneously). Pushing the blue button on switch cover will reset the contacts.

Also available, pre-wired with standard 10 or 12 pin connectors or theUltra-Lock™ connector with or without indicator light.

For more information please refer to our online catalog or contact us directly.

OPERATING SPECIFICATIONS



Catalog Number	Contact Arrangement	Style	F_{SU} Setup Force	F_T Trip Force	S_D = 5 ft. / 1.5 m		S_D = 10 ft. / 3.0 m	
					F_O	S_T	F_O	S_T
04964-204	2 NO + 2 NC	Bi-Directional	None, slack	52 lb. 23.6 kg	28 lb. 12.7 kg	4 in. * 10.2 kg	15 lb. 6.8 kg	9 in. * 22.8 kg

Additional part numbers are listed on pages 13 and 14. See pages 11 and 12 for schematics (i. e. 8 Series 4) diagrams.

Cable Operated Switches for Cycle Stopping/Starting, Overhead Doors, and Short Cable Length Requirements

64945-000

Ultra-Lock™ Connection System

Features/Applications

Rees Rope Operated Sequence Switches are ideal when your application requires starting and stopping from various points along an automated assembly line or conveying material handling system. With its unique pull-on/pull-off feature this switch may also be used to open and close an overhead door. Recommended maximum cable length (horizontal) is 200 feet.

Standard Rope Operated Switches work well in overhead switching applications requiring shorter cable lengths of 33 feet or less. These switches are available with momentary or maintained contacts.

Switches are available with the Ultra-Lock™ 5 or 8 pin connector. Various styles are listed below. For more information please refer to our online catalog or contact us directly.

04945-000	Sequence Switch No Connector	Manual Reset Maintained Contacts	NO + NC NEMA 4x, IP 66	_____	No Indicator Light
64945-000	Sequence Switch Ultra-Lock™, 5 Pin	Manual Reset Maintained Contacts	NO + NC NEMA 4x, IP 66	6 series 4	24 Volt Indicator Light
64958-100	Rope Switch Ultra-Lock™, 5 Pin	Automatic Reset Momentary Contacts	Held NO NEMA 4, IP 66	6 series 1	24 Volt Indicator Light
64958-250	Rope Switch Ultra-Lock™, 5 Pin	Manual Reset Maintained Contacts	Held NC NEMA 4, IP 66	6 series 2	24 Volt Indicator Light

Additional part numbers are listed on pages 13 and 14. See pages 11 and 12 for schematics (i. e. 6 Series 1) diagrams.

54945-000

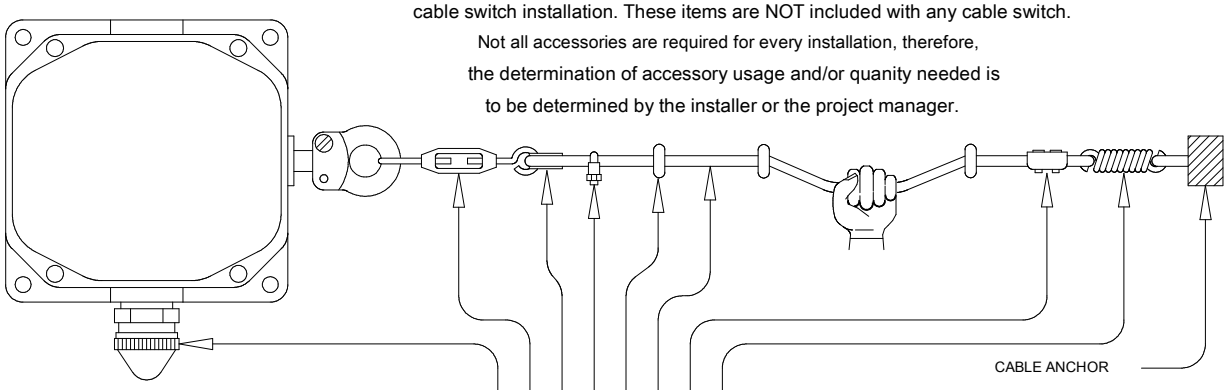
64958-250

Ultra-Lock™

Ultra-Lock™ Connection System

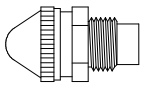
TYPICAL ACCESSORY USAGE

Below is a list of available accessories that can be used to enhance a cable switch installation. These items are NOT included with any cable switch. Not all accessories are required for every installation, therefore, the determination of accessory usage and/or quanity needed is to be determined by the installer or the project manager.



PART NO. 40100-102

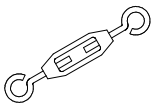
PILOT LIGHT



This 24V pilot light is a full voltage type and has a 1/2" NPT threaded body to be attached to any conduit hole.

PART NO. 02005-605

TURNBUCKLE



Used for cable tension adjustment, this turn-buckle is only required on switches that require a taut cable to function. Placement in the cable run is not critical.

PART NO. 02005-615

THIMBLE

This metal strain relief is used to protect the cable against chafing where it is attached to the switch or to the turnbuckle or to the end anchor.

PART NO. 02005-620

ROPE CLIP

This standard style clip is used wherever it is desired to clamp the cable. Generally multiple clips are used at either end for greater security.

PART NO. 02005-630

SPRING

This tension spring is used to reduce the slack of a cable run, but it will increase the required pull to trip. It can be used on switches with trip forces of 10 to 40 pounds.

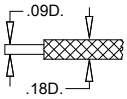
PART NO. 02005-625

CABLE CLIP

This is a stainless steel clip used to clamp a cable end or splice two pieces together to make a longer run.

PART NO. 02005-610

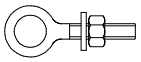
CABLE



This red vinyl covered steel (7x7) aircraft cable should only be used on switches with trip forces greater than 5 pounds. It is also available in blue and yellow.

PART NO. 02005-635

EYEBOLT ASSEMBLY



These standoff eyebolt assemblies (nut and washer included) are used to support the cable run and should be placed 5 to 10 feet max. apart.

WARNING
DANGER

These products should only be used where point-of-operation guarding devices have been properly installed and maintained so that all appropriate OSHA and ANSI B 11.1 regulations and standards are met. Misapplication of these products on machinery lacking effective point-of operation safeguards can cause serious injury to the operator of that machinery.