Crestron **TSW-730-TTK** **& SMK-4SM/730**

TableTop and Swivel Mount Kits

Installation Guide

CRESTRON®

Contents

TableTop and Swivel Mount Kits: TSW-730-TTK & SMK-4SM/730

Introduction

The TSW-730-TTK from Crestron® provides a stylish and convenient tabletop enclosure for the TSW-730 Touch Screen. The touch screen device is angled when installed in the enclosure. The complete assembly may be placed on any flat, level surface, with the option to attach it permanently to the surface using screws.

An optional swivel mount accessory (SMK-4SM/730) is sold separately, providing a means for permanently mounting the enclosure while retaining the ability to rotate it for optimal positioning. The swivel range can be customized using optional limit screws, with a maximum of 330 degree rotation allowed. The swivel mount may be installed on any flat table, desk or counter top surface with a thickness of 1" (25 mm) minimum to 1 3/8" (35 mm) maximum.

Wiring may be passed out the rear of the enclosure through a grommet and strain relief or routed through the bottom for a very clean, cordless appearance. The rear wire opening can accommodate a single cable up to 1/4" (6 mm) diameter. The bottom opening measures 29/32" (23 mm) diameter, while the swivel mount (sold separately) can accommodate a bundle of wires up to 11/16" (17 mm) diameter.

Specifications

Specifications for the TSW-730-TTK are listed in the following table.

TSW-730-TTK Specifications

SPECIFICATION	DETAILS
Enclosure	Plastic, black or white; 45º fixed angle device opening; freestanding, surface mount or swivel mount installation*
Dimensions	
Height	3.58 in (91 mm); 3.67 in (94 mm) with swivel mount
Width	8.77 in (223 mm)
Depth	4.91 in (125 mm); 4.36 in (111 mm) without rear wire grommet
Dimensions (with touch screen installed)	
Height	3.96 in (101 mm); 4.05 in (104 mm) with swivel mount
Width	8.77 in (223 mm)
Depth	5.20 in (132 mm); 4.66 in (119 mm) without rear wire grommet
Available Models	
TSW-730-TTK-B-S	TableTop Kit for TSW-730, Black Smooth
TSW-730-TTK-W-S	TableTop Kit for TSW-730, White Smooth
Available Accessories	
SMK-4SM/730	Swivel Mount Kit for TTK-4SM & TSW-730-TTK

*   SMK-4SM/730 Swivel Mount Kit sold separately.

Physical Description

TSW-730-TTK Overall Dimensions (Front View)
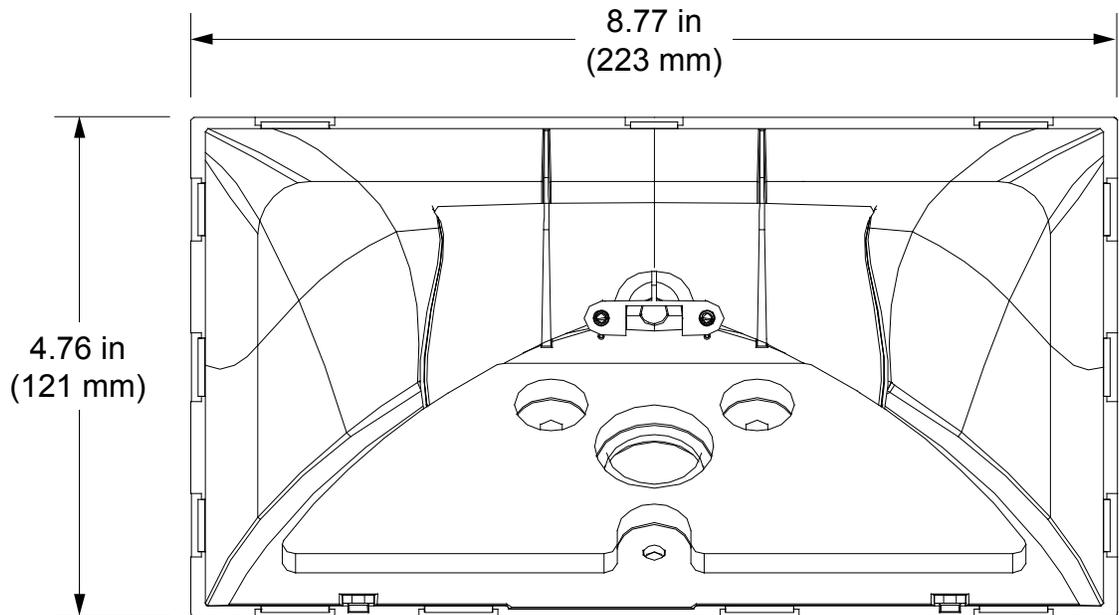
8.77 in
(223 mm)

4.76 in
(121 mm)

TSW-730-TTK Overall Dimensions
(Side View, Shown with Rear Wire Grommet)

3.58 in
(91 mm)

4.36 in
(111 mm)

4.91 in
(125 mm)
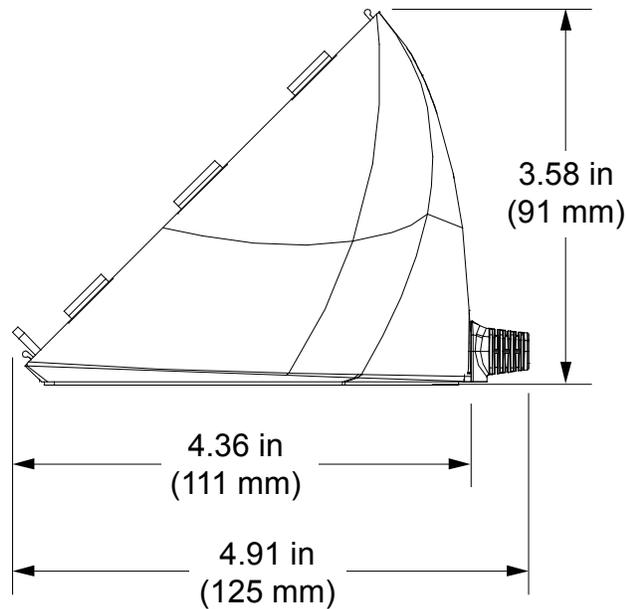
TSW-730-TTK Overall Dimensions (Side View, Shown with Rear Wire Grommet, Swivel Mount and Touch Screen Installed)

3.96 in
(101 mm)

4.66 in
(119 mm)

5.20 in
(132 mm)
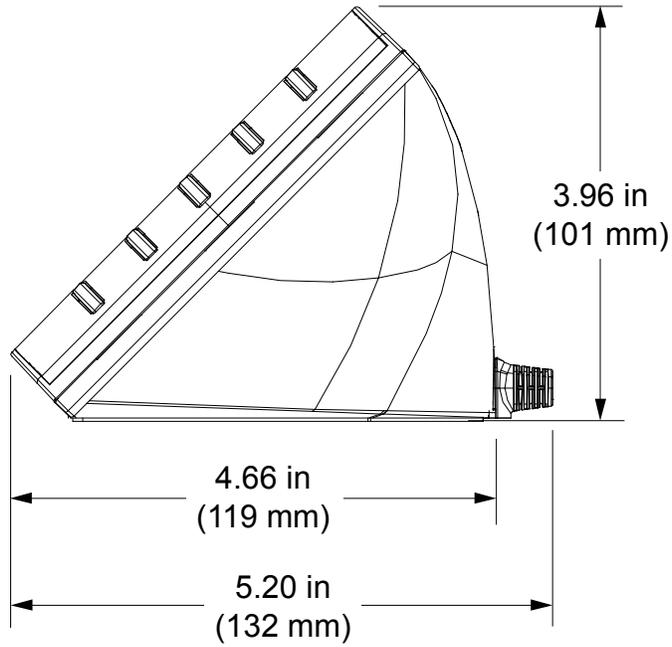
Setup

Supplied Hardware

The hardware supplied with the TSW-730-TTK is listed in the following table.

Supplied Hardware for the TSW-730-TTK

DESCRIPTION	PART NUMBER	QUANTITY
Plug Insert, Black[1]	2023934	1
Plug Insert, White[2]	2025978	1
Plug Insert, Black[1]	2023936	1
Plug Insert, White[2]	2025979	1
Rubber Cable Grommet, Black[1]	2016924	1
Rubber Cable Grommet, White[2]	2021878	1
Metal Wire Capture	2023044	1
Screw, #04-20 x 1/2", Pan, Phil	2007138	2
Screw, #08-16 x 1/2", Steel, Pan, Phil	2023942	3
Template, Overlay, Table Cutout	4509170	1

1. This part comes with TSW-730-TTK-B-S (Black).
2. This part comes with TSW-730-TTK-W-S (White).

The hardware supplied with the SMK-4SM/730 is listed in the following table.

Supplied Hardware for the SMK-4SM/730

DESCRIPTION	PART NUMBER	QUANTITY
Assembly, Swivel Stop Plate and Screw	4504353	1
Metal Washer, Keyed, Swivel Stop	4506321	1
Cork/Rubber Washer, Custom, Swivel	2017614	1
Rubber Washer, Custom, Swivel	2017615	1
Screw, #08-32 x 1/8", Steel, Socket Head	2017634	2
Washer, Flat Steel, 7/8-A, Narrow, 15/16" Inner Diameter, 1.75" Outer Diameter, 0.134" Thick	2017633	1
Metal Top Plate, Swivel*	2024684	1
Nut, #7/8"-14, 1 15/16" Hex Diameter, 31/64" H, Steel, Zinc	2017632	1
Screw, #08-8B x 1/2", Steel, Pan, Phil	2017784	6
Nut, Keps, #08-32, External, Hex, Steel, Zinc	2004886	3
Template, Overlay, Table Cutout	4509170	1

*   This part is used with the TTK-4SM. It is not needed with the TSW-730-TTK.

Installation

To attach a TSW-730 touch screen to the TSW-730-TTK and install the assembly on a suitable mounting surface, refer to the following procedures.
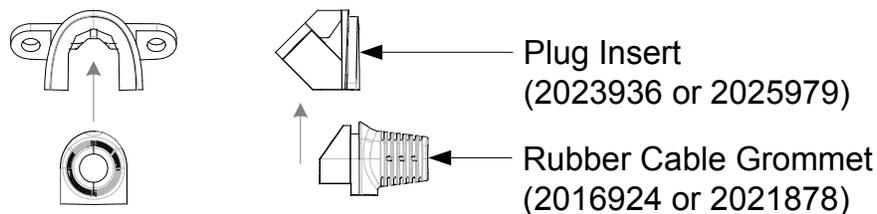
Preparing the TSW-730-TTK

The TSW-730-TTK comes with a variety of parts for routing device cabling through either the back of the unit or, for mounting to a table top or other flat surface, through the bottom for a neat appearance. There are two options for routing cables through the back of the unit and one for routing cables through the bottom.

Single Cable Routing Through Rear of TSW-730-TTK

For routing a single CAT5 cable through the rear of the TSW-730-TTK, use the plug insert (2023936 on black models or 2025979 on white models) and the rubber cable grommet (2016924 on black models or 2021878 on white models) that are included with the TSW-730-TTK.

These parts are to be joined together as shown in the following illustration.

Plug Insert (2023936 or 2025979)
and Rubber Cable Grommet (2016924 or 2021878) Assembly

Plug Insert
(2023936 or 2025979)
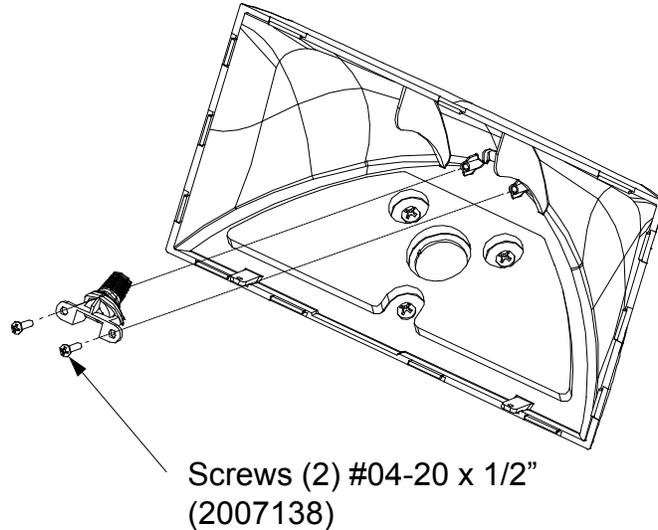
Rubber Cable Grommet
(2016924 or 2021878)

The following illustration shows the two parts assembled and ready for installation in the TSW-730-TTK.

Assembly Ready for Installation (Iso, Side and Rear Views)
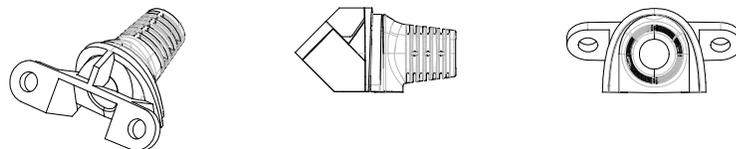
Attach the assembly to the TSW-730-TTK using the two included #04-20 x 1/2" screws (2007138), as shown in the following illustration.

Attaching Plug Insert/Grommet Assembly to TSW-730-TTK

Screws (2) #04-20 x 1/2"
(2007138)

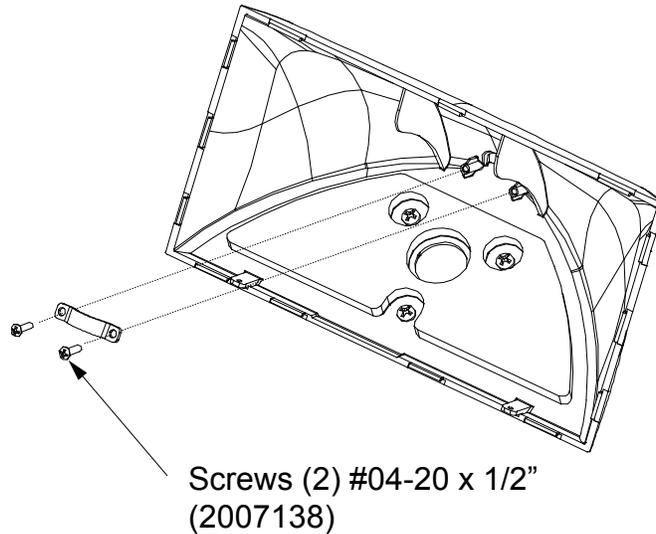Multiple Cable Routing Through Rear of TSW-730-TTK

For routing multiple cables through the rear of the TSW-730-TTK, use the included metal wire capture (2023044) without the cable grommet.

Metal Wire Capture (2023044)

Metal Wire Capture
(2023044)

Attach the metal wire capture to the TSW-730-TTK using the two included #04-20 x 1/2" screws (2007138), as shown in the illustration on the following page.

Attaching Metal Wire Capture to TSW-730-TTK

Screws (2) #04-20 x 1/2"
(2007138)

The illustration above shows metal wire capture installed "bow" side up. When fewer cables are routed through the rear of the TSW-730-TTK, installing the metal wire capture "bow" side down holds the cables more securely.

Cable Routing Through Bottom of TSW-730-TTK

When routing cables through the bottom of the TSW-730-TTK, use the other included plug insert (2023934 for black models or 2025978 for white models) to close the opening on the rear of the unit.

Plug Insert (2023934 or 2025978) (Iso, Rear and Side Views)


Plug Insert
(2023934 or 2025978)
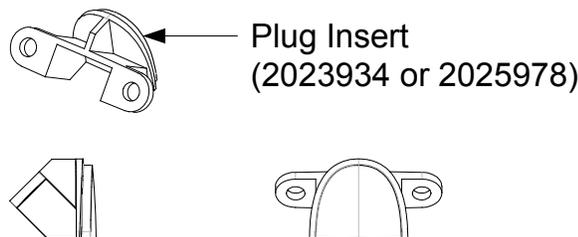
Attach the plug insert (2023934 or 2025978) to the TSW-730-TTK using the two included #04-20 x 1/2" screws (2007138). For a depiction of a similar attachment, refer to the illustration at the top of page 8.

Attaching the TSW-730-TTK to a Flat Surface

Use the three included #08-16 x 1/2" screws (2023942) to attach the TSW-730-TTK to a table top or other flat surface, as shown in the illustration below.

Attaching the TSW-730-TTK to a Flat Surface

Screws (3) #08-16 x 1/2"
(2023942)
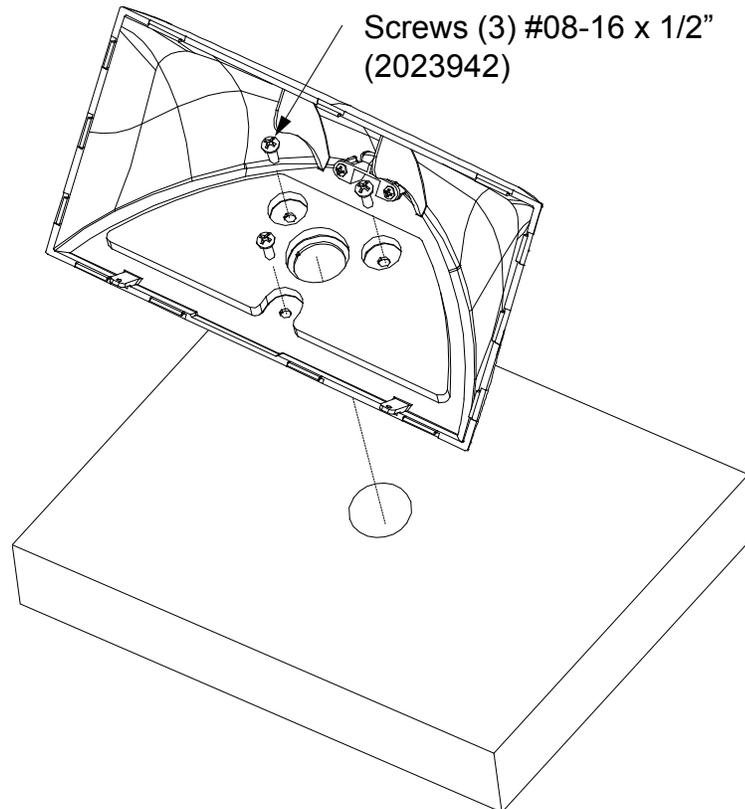
Mounting the TSW-730 Touch Screen in the TSW-730-TTK

If the touch screen is currently mounted in an electrical box, perform the following procedure:

1. Use a small, slot head screwdriver to gently separate the touch screen from the back cover. For location of screwdriver insertion point, refer to the illustration on the following page.

2. Disconnect any cables that are attached to the device

Screwdriver Insertion Point for Detaching Touch Screen
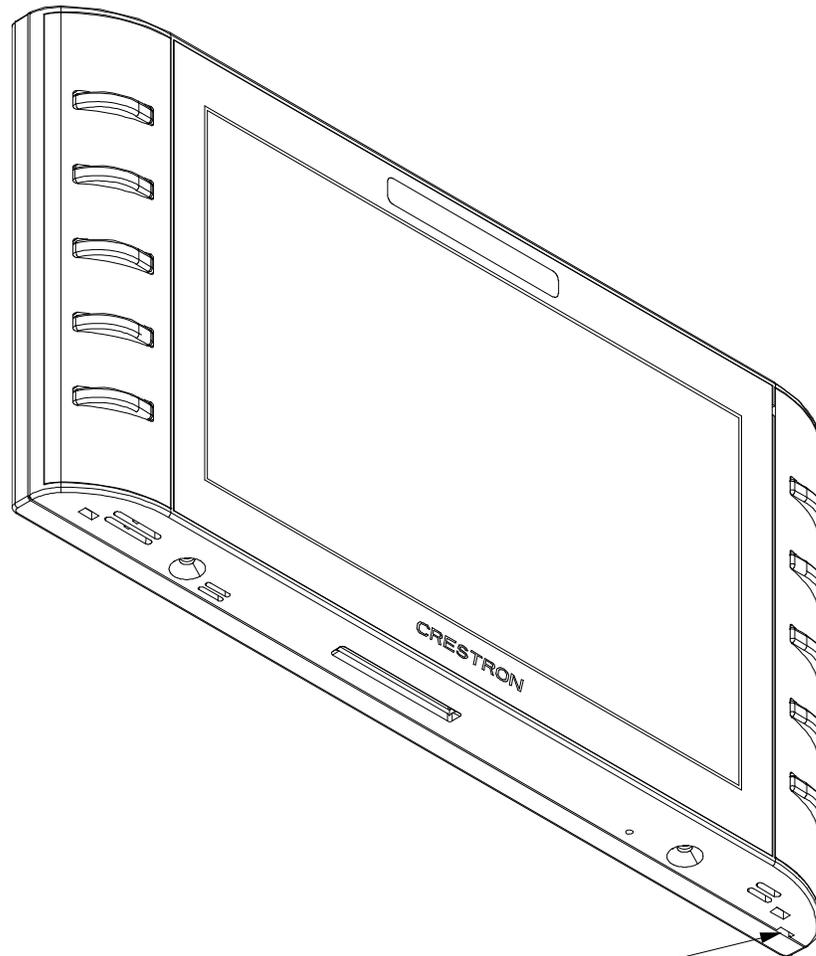
Insert small slot head screwdriver here

To mount the touch screen in the TSW-730-TTK, perform the following procedure:

1. If the device's back cover is still attached, use a small, slot head screwdriver to gently separate the touch screen from the back cover. For location of screwdriver insertion point, refer to the illustration above.

2. Align the tabs on the rear of the touch screen with those on the TSW-730-TTK and simply snap the touch screen into place. Refer to the illustration on the following page.

Mounting the Touch Screen in the TSW-730-TTK
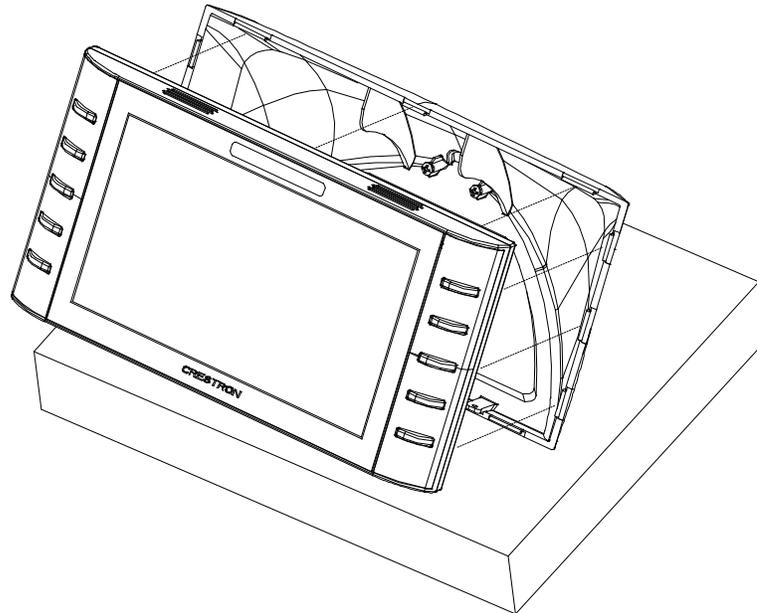
SMK-4SM/730 Assembly

Preparing an Already Mounted TSW-730-TTK

If the TSW-730-TTK is already mounted on a table top or other flat surface, to install the SMK-4SM/730 swivel mount, prepare the TSW-730-TTK using the following procedure:

1. Remove the touch screen from the TSW-730-TTK by using a small, slot head screwdriver to gently separate the touch screen from the TSW-730-TTK. For location of screwdriver insertion point, refer to the illustration on the previous page.

2. With the touch screen removed from the TSW-730-TTK, remove the three #08-16 x 1/2" screws (2023942) attaching the TSW-730-TTK to the surface. Refer to illustration on page 10.

Routing the Cables

For new installations or to change an existing one, refer to the sections called out in the following two paragraphs.

To route a single CAT5 cable through the rear of the TSW-730-TTK, refer to "Single Cable Routing Through Rear of TSW-730-TTK" which starts on page 7. To use multiple cables routed through the rear of the unit, refer to "Multiple Cable Routing Through Rear of TSW-730-TTK" which starts on page 8.
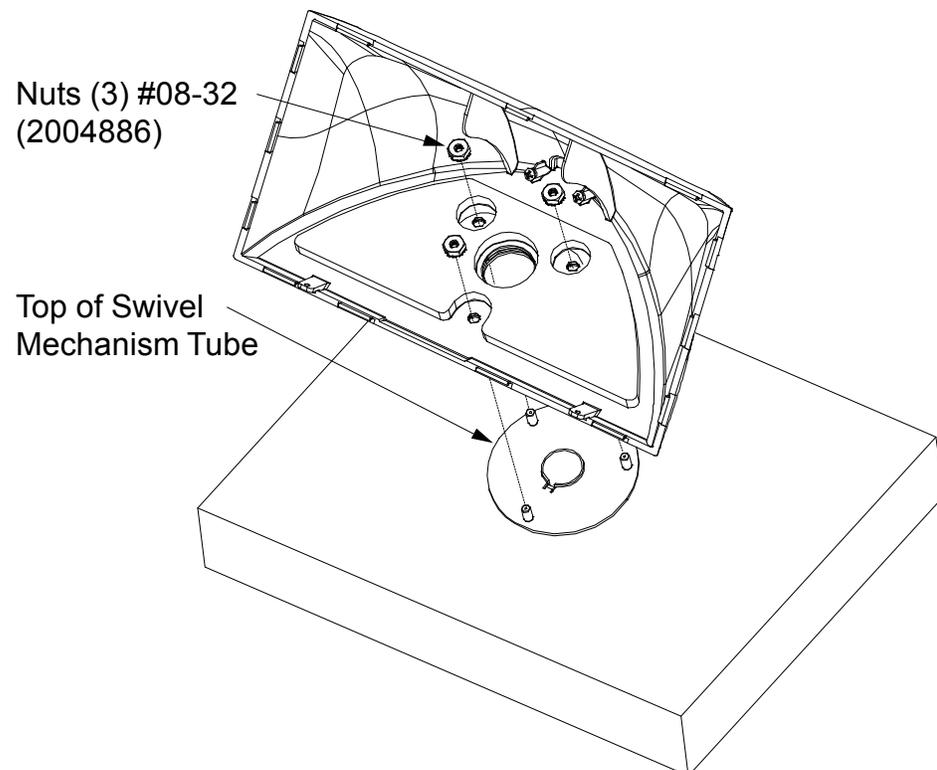
To have cables exit through the bottom of the TSW-730-TTK, refer to "Cable Routing Through Bottom of TSW-730-TTK" on page 9.

Assembling the Swivel Mount

To assemble the swivel mount, perform the following procedure:

1. Attach and secure the swivel mechanism tube to the bottom of the TSW-730-TTK using the three #08-32 nuts (2004886) included with the SMK-4SM/730, as shown in the following illustration.

    Attaching Metal Top Plate and Swivel Mechanism Tube to TSW-730-TTK

    Nuts (3) #08-32 (2004886)

    Top of Swivel Mechanism Tube

2. If cables are routed to exit through the bottom of the TSW-730-TTK, feed the full length of the cable through the swivel mechanism tube.

NOTE: To use the two security screws included with the touch screen for the bottom of the unit, cables should be attached to the rear of the touch screen and the TSW-730-TTK secured to the SMK-4SM/730 before proceeding with the following steps.

3. Prepare the mounting surface using the template (4504871) provided with the kit. The center hole diameter for the swivel mechanism tube should be 7/8" (22 mm) minimum, 15/16" (24 mm) maximum. Position the template so the edge indicated as the front edge of the table or surface aligns with the desired front position of the TSW-730-TTK. Observe the dashed line indicating the front edge of the TSW-730-TTK to ensure the device does not overhang the mounting surface.

4. Using the six mounting holes on the swivel stop plate as a template, drill pilot holes 0.093" (2 mm) minimum, 0.115" (3 mm) maximum diameter and no deeper than 0.35" (9 mm). Attach the swivel stop plate to the bottom of the mounting surface using the six #08-8B x 1/2" screws (2017784) provided with the kit. Pass the swivel mechanism tube down through the mounting hole and stop plate.
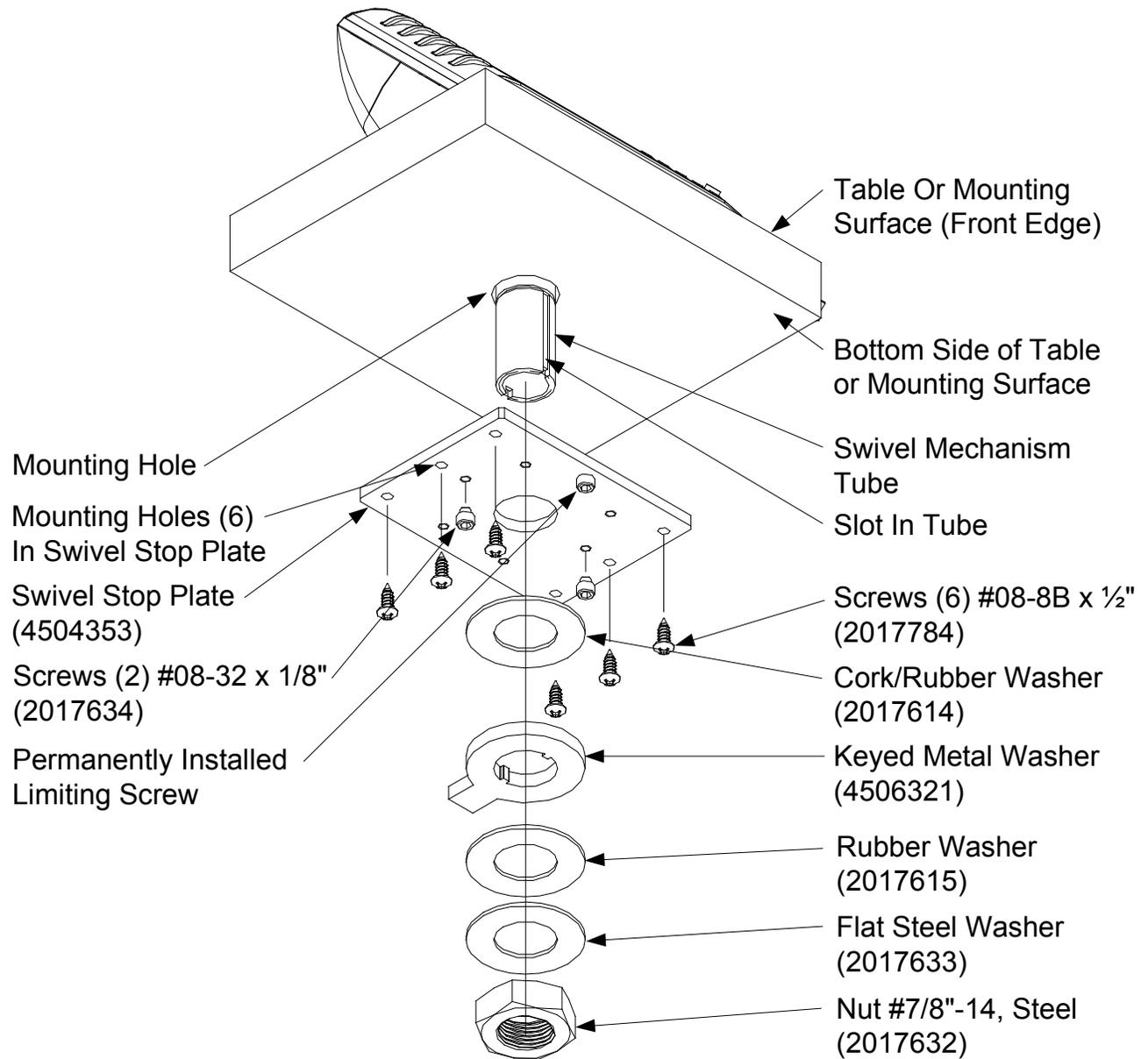
NOTE: The swivel stop plate has a permanently installed limiting screw to prevent the swivel mechanism from spinning continuously in one direction and tangling the cable attached to the touch screen.

5. Slide the provided hardware up onto the swivel tube in the order indicated in the illustration on the following page.

NOTE: The keyed metal washer (4506321) fits onto the swivel mechanism tube in one of two orientations. Orient the tab on the washer to face away from the permanently installed limiting screw in the swivel stop plate.

6. Tighten and adjust the provided #7/8"-14 nut (2017632) onto the swivel tube to achieve the desired resistance in swivel assembly motion. A flat tool (such as a large flat head screwdriver) may be used in the slot on the bottom of the swivel mechanism tube to hold the tube still while tightening the nut.

Swivel Mechanism Assembly

Table Or Mounting
Surface (Front Edge)

Bottom Side of Table
or Mounting Surface

Mounting Hole

Swivel Mechanism
Tube

Mounting Holes (6)
In Swivel Stop Plate

Slot In Tube

Swivel Stop Plate
(4504353)

Screws (6) #08-8B x ½"
(2017784)

Screws (2) #08-32 x 1/8"
(2017634)

Cork/Rubber Washer
(2017614)

Permanently Installed
Limiting Screw

Keyed Metal Washer
(4506321)

Rubber Washer
(2017615)

Flat Steel Washer
(2017633)

Nut #7/8"-14, Steel
(2017632)

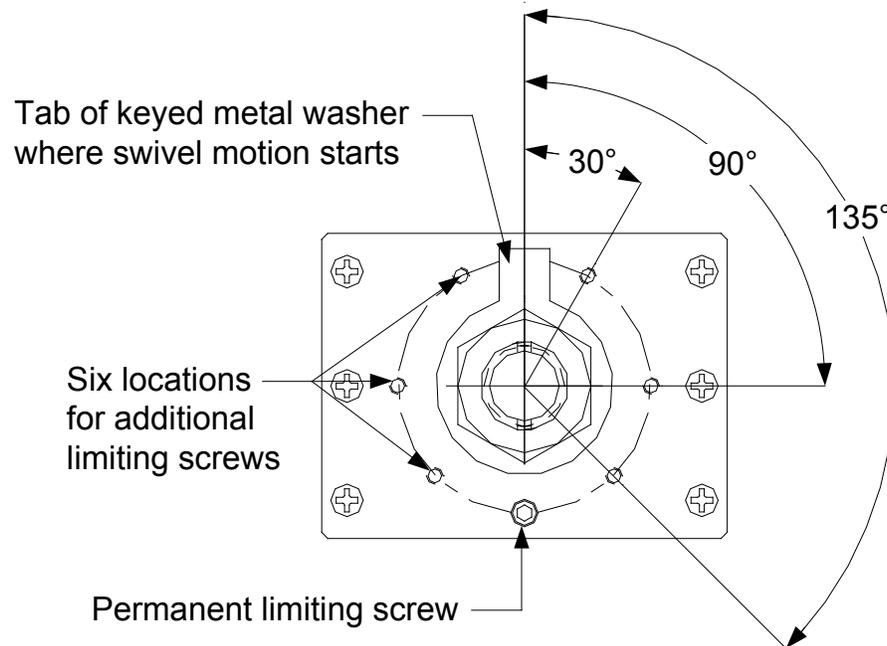## *Customize Range*

Aside from the permanently installed limiting screw attached to the swivel stop plate, two additional #08-32 x 1/8" limiting screws (2017634) are included with the SMK-4SM/730. These screws are provided to set a custom range for swivel movement. Refer to the illustrations below for their application.

Swivel Stop Plate with Permanent Limiting Screw

Tab of keyed metal washer where swivel motion starts

30°   90°   135°

Six locations for additional limiting screws

Permanent limiting screw

Swivel Stop Plate with Additional Limiting Screws

Two limiting screws limit swivel to custom range

Permanent limiting screw
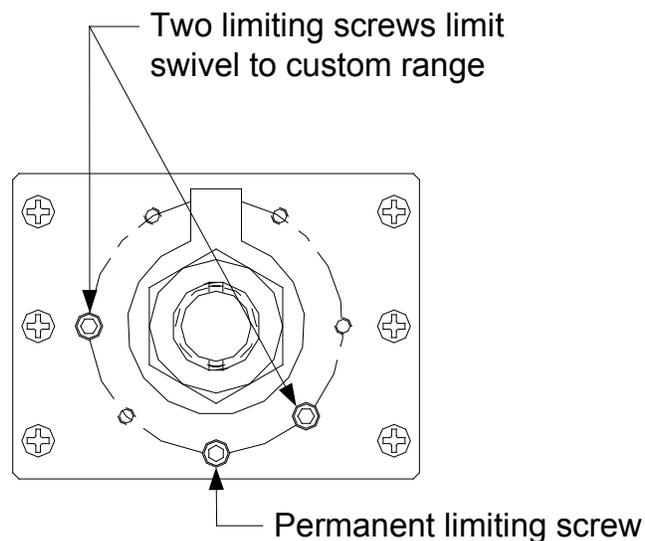
Resources

Further Inquiries

To locate specific information or resolve questions after reviewing this guide, contact Crestron's True Blue Support at 1-888-CRESTRON [1-888-273-7876] or refer to the listing of Crestron worldwide offices on the Crestron Web site (www.crestron.com/offices) for assistance within a particular geographic region.

To post a question about Crestron products, log onto the Online Help section of the Crestron Web site (www.crestron.com/onlinehelp). First-time users must establish a user account to fully benefit from all available features.

Future Updates

As Crestron improves functions, adds new features and extends the capabilities of the TSW-730-TTK and SMK-4SM/730, additional information may be made available as manual updates. These updates are solely electronic and serve as intermediary supplements prior to the release of a complete technical documentation revision.

Check the Crestron Web site periodically for manual update availability and its relevance. Updates are identified as an "Addendum" in the Download column.

Return and Warranty Policies

Merchandise Returns / Repair Service

1. No merchandise may be returned for credit, exchange or service without prior authorization from Crestron. To obtain warranty service for Crestron products, contact an authorized Crestron dealer. Only authorized Crestron dealers may contact the factory and request an RMA (Return Merchandise Authorization) number. Enclose a note specifying the nature of the problem, name and phone number of contact person, RMA number and return address.

2. Products may be returned for credit, exchange or service with a Crestron Return Merchandise Authorization (RMA) number. Authorized returns must be shipped freight prepaid to Crestron, 6 Volvo Drive, Rockleigh, N.J. or its authorized subsidiaries, with RMA number clearly marked on the outside of all cartons. Shipments arriving freight collect or without an RMA number shall be subject to refusal. Crestron reserves the right in its sole and absolute discretion to charge a 15% restocking fee plus shipping costs on any products returned with an RMA.

3. Return freight charges following repair of items under warranty shall be paid by Crestron, shipping by standard ground carrier. In the event repairs are found to be non-warranty, return freight costs shall be paid by the purchaser.

Crestron Limited Warranty

Crestron Electronics, Inc. warrants its products to be free from manufacturing defects in materials and workmanship under normal use for a period of three (3) years from the date of purchase from Crestron, with the following exceptions: disk drives and any other moving or rotating mechanical parts, pan/tilt heads and power supplies are covered for a period of one (1) year; touch screen display and overlay components are covered for 90 days; batteries and incandescent lamps are not covered.

This warranty extends to products purchased directly from Crestron or an authorized Crestron dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

Crestron shall not be liable to honor the terms of this warranty if the product has been used in any application other than that for which it was intended or if it has been subjected to misuse, accidental damage, modification or improper installation procedures. Furthermore, this warranty does not cover any product that has had the serial number altered, defaced or removed.

This warranty shall be the sole and exclusive remedy to the original purchaser. In no event shall Crestron be liable for incidental or consequential damages of any kind (property or economic damages inclusive) arising from the sale or use of this equipment. Crestron is not liable for any claim made by a third party or made by the purchaser for a third party.

Crestron shall, at its option, repair or replace any product found defective, without charge for parts or labor. Repaired or replaced equipment and parts supplied under this warranty shall be covered only by the unexpired portion of the warranty.

Except as expressly set forth in this warranty, Crestron makes no other warranties, expressed or implied, nor authorizes any other party to offer any warranty, including any implied warranties of merchantability or fitness for a particular purpose. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supersedes all previous warranties.

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