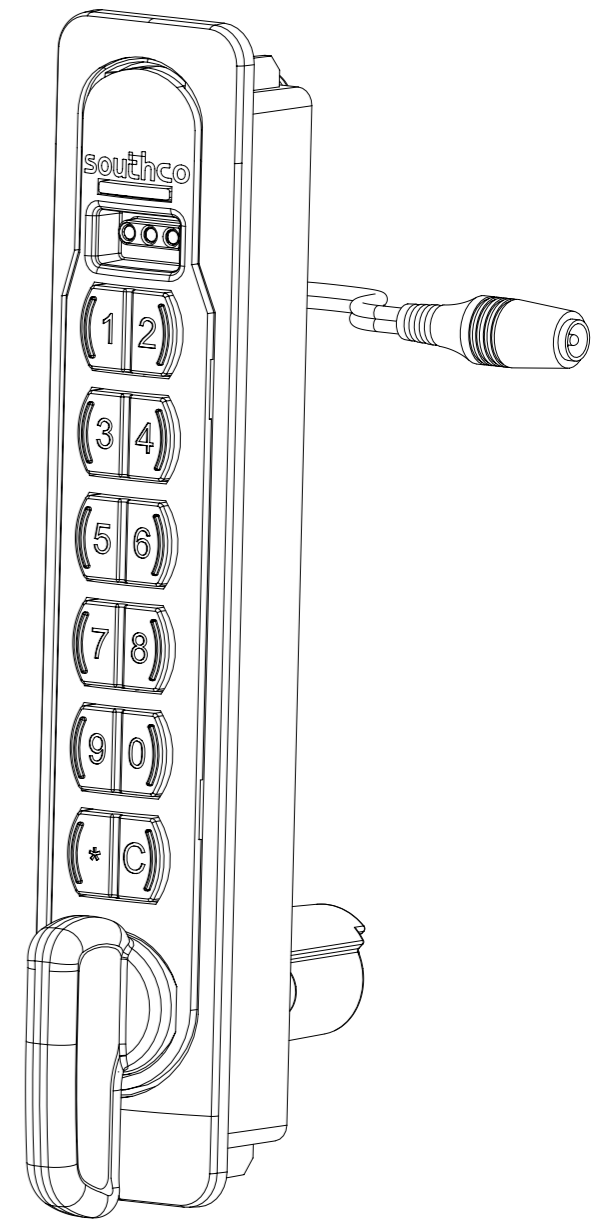
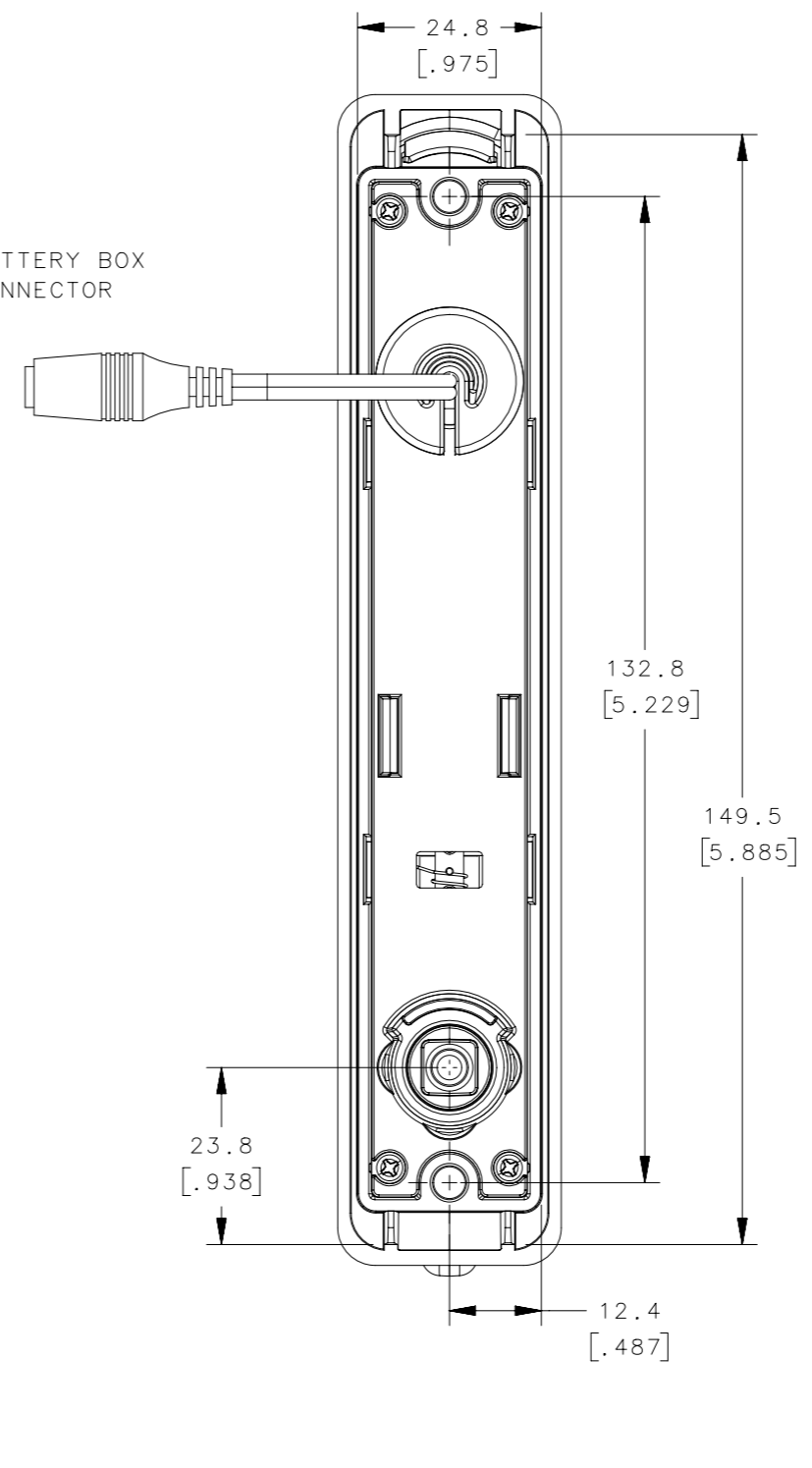
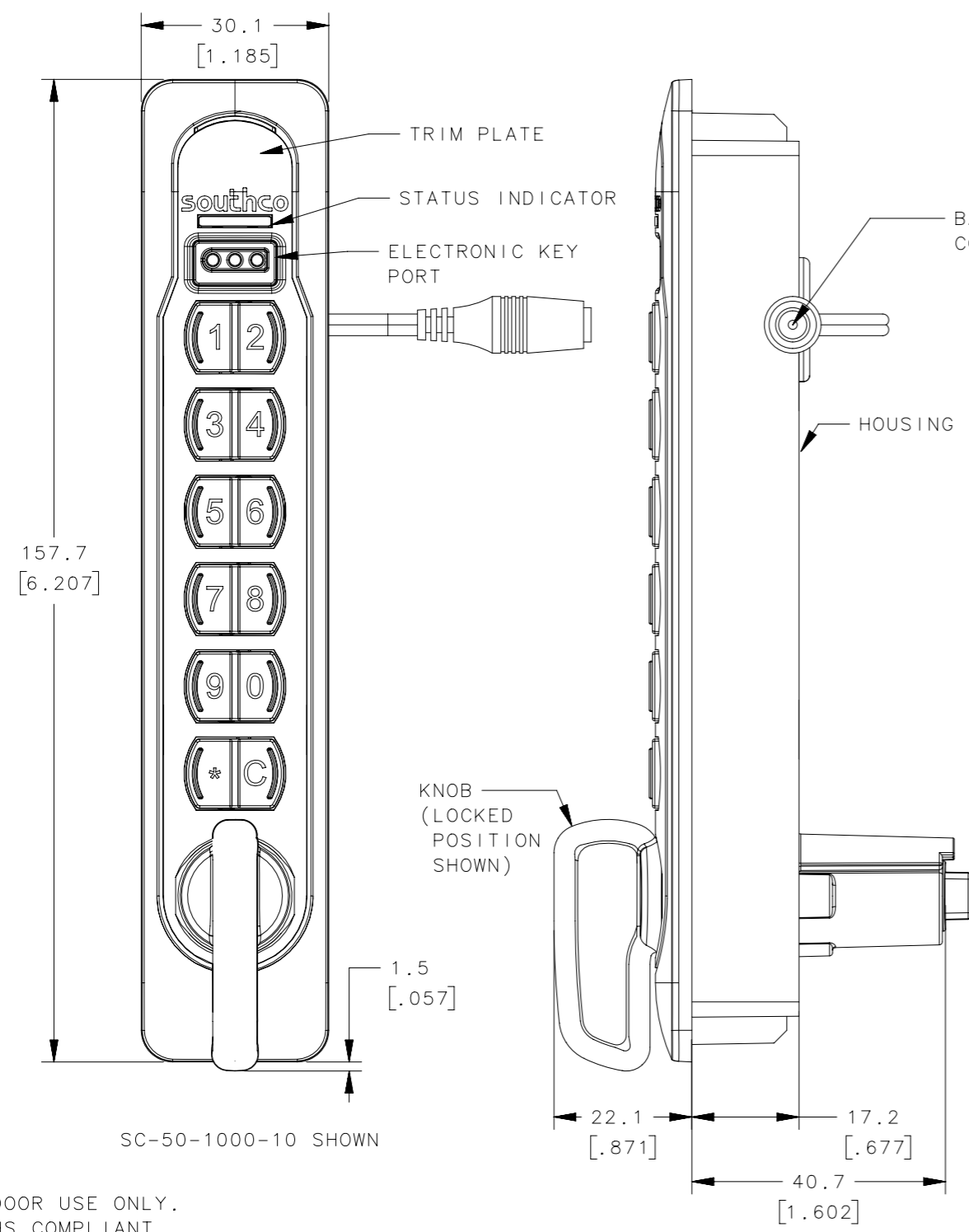


REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
E	01JUN2018	RKS/VK	PRN: P2018-1333



- NOTES:
1. INDOOR USE ONLY.
  2. RoHS COMPLIANT.
  3. OPERATING TEMPERATURE RANGE: 0-50° C.
  4. OPERATING VOLTAGE: 4.5 VDC.  
AA (3) BATTERY BOX INCLUDED (BATTERIES NOT INCLUDED).
  5. TWO MOUNTING CUPS AVAILABLE TO MEET VARIOUS PANEL THICKNESSES. SEE MOUNTING OPTION TABLE ON SHEET 3 OF 6 TO DETERMINE SIZE NEEDED. SEE PART NUMBER CONFIGURATOR ON SHEET 2 OF 6 TO DETERMINE PART NUMBER TO ORDER.
  6. MOUNTING CUP HARDWARE IS PROVIDED IN HARDWARE BAG. SEE MOUNTING OPTION TABLE ON SHEET 3 OF 6 FOR PROPER SCREW SELECTION. RECOMMENDED TIGHTENING TORQUE: 1.8 N-m.
  7. CAM SCREW PROVIDED IN HARDWARE BAG. RECOMMENDED TIGHTENING TORQUE: 4.0 N-m.  
CAUTION: TO AVOID DAMAGE TO THE LOCKING MECHANISM FIRMLY HOLD KNOB WHEN INSTALLING CAM SCREW TO THE PROPER TORQUE.
  8. ROTATION LIMITER PROVIDED IN HARDWARE BAG. ORIENT ACCORDING TO REQUIRED KNOB CLOCKWISE OR COUNTER CLOCKWISE OPERATION.

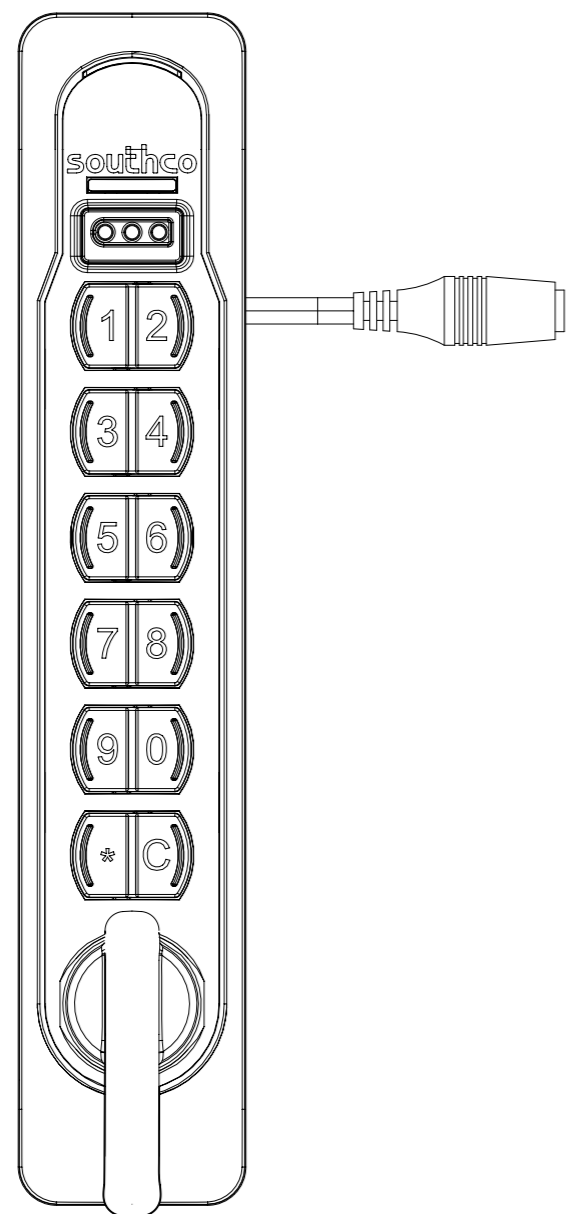
9. ORDER OPTIONAL MANAGER KEYS (SC-A20-10) FOR BATTERY BACKUP SEPARATELY.
10. ORDER CAMS SEPARATELY. SEE CAM GRIP OPTION TABLE ON SHEET 4 OF 6. SEE SOUTHCO DRAWING J-SC-50.
11. SEE J-SC-50-1000-M FOR OPERATING INSTRUCTIONS.
12. ORDER SPACER (SC-3004-01) SEPARATELY. SEE SOUTHCO DRAWING J-SC-3000. SEE SHEET 4 OF 6 FOR DETAILS.

SEE SHEET 2 OF 6  
FOR LATCH ASSEMBLY NUMBERS

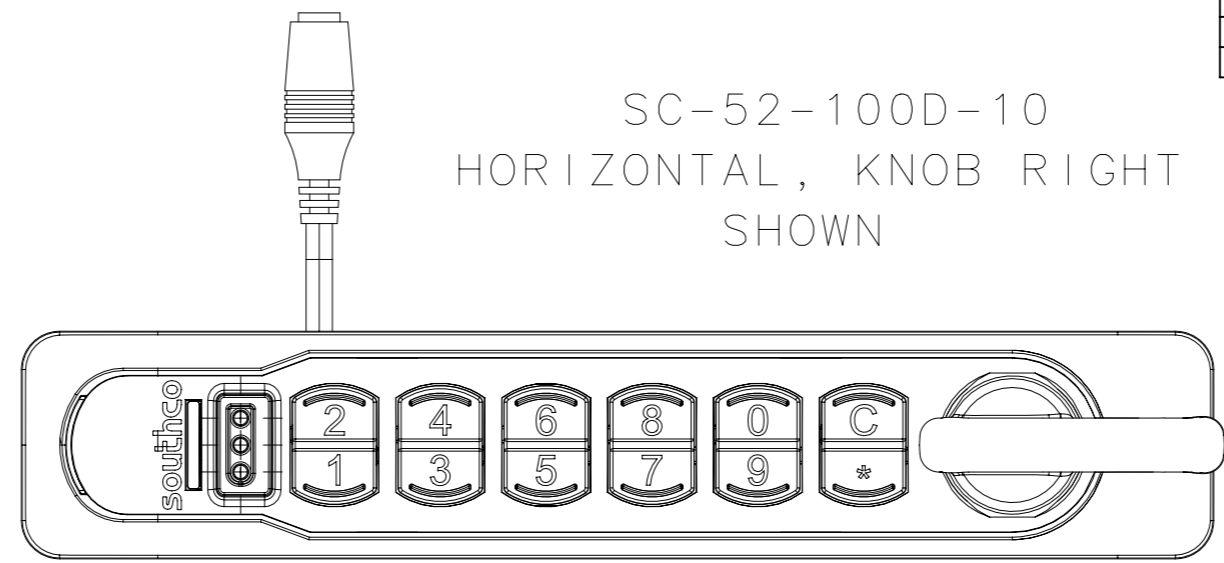
THIRD ANGLE PROJECTION						
MILLIMETERS [IN]	DESCRIPTION					
TOLERANCES UNLESS OTHERWISE NOTED	SELF CONTAINED KEYPAD LATCH CODE MANAGED					
ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	SIZE A3	SYSTEM NX	DWG NO. J-SC-50-1000			
PER ASME Y14.5M-1994	DRAWN BY TJW	DATE 21OCT2015	SCALE 1:1	SHEET 1 OF 6		

PROPRIETARY ITEM  
EXCEPT FOR USES EXPRESSLY GRANTED  
IN WRITING, INFORMATION DISCLOSED  
HEREON IS CONFIDENTIAL AND ALL  
RIGHTS, PATENT AND OTHERWISE,  
ARE RESERVED BY SOUTHCO, INC.

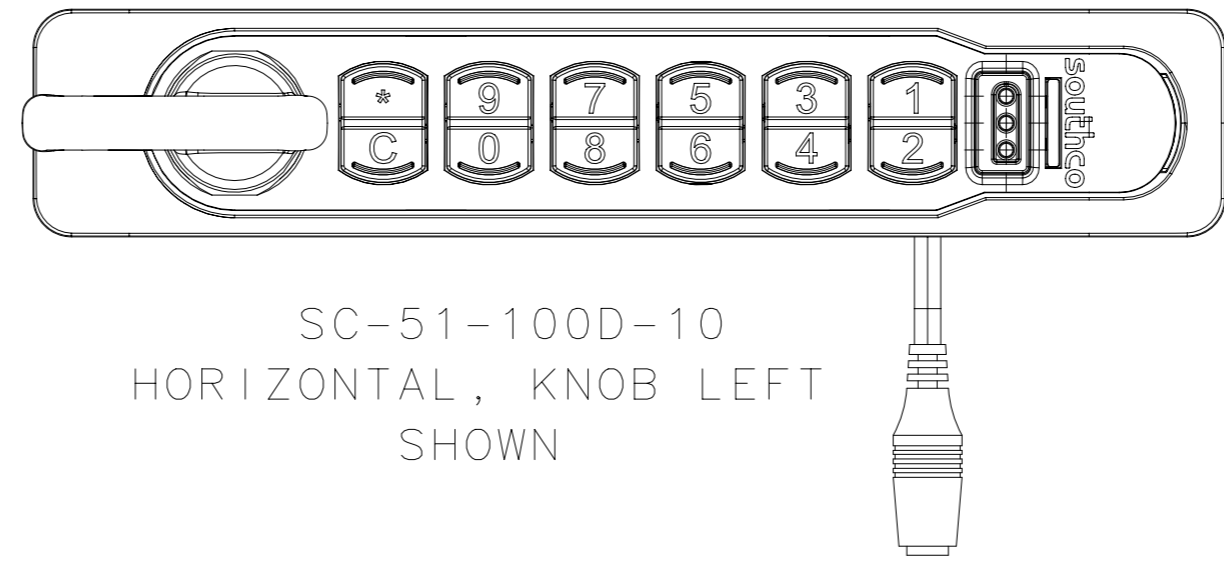
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
E	01JUN2018	RKS/VK	PRN: P2018-1333



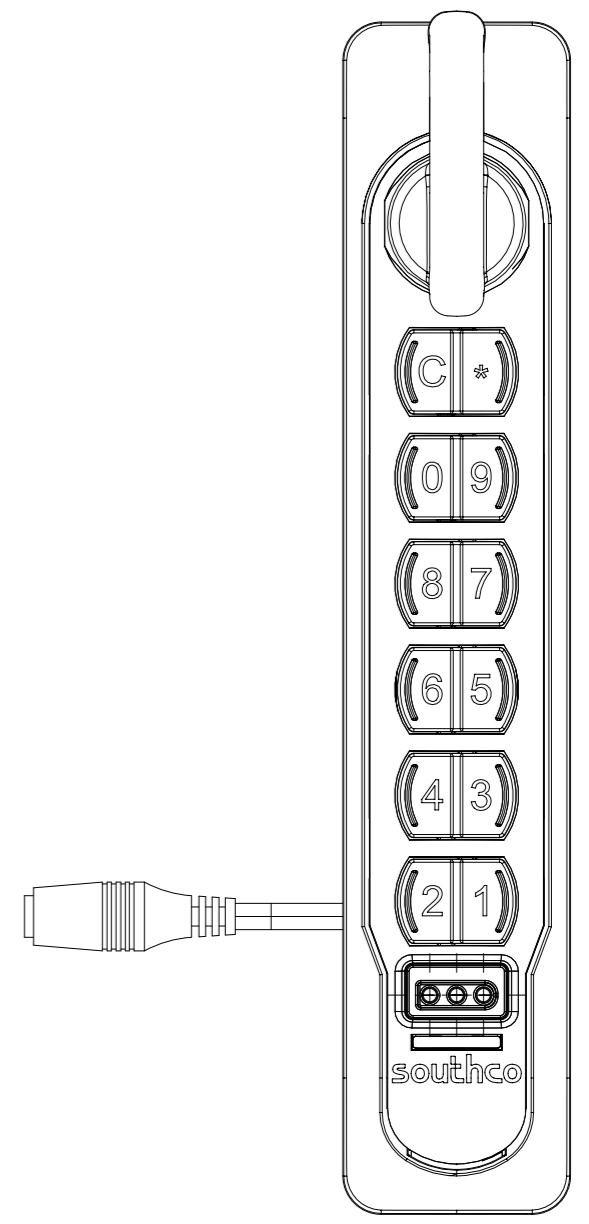
SC-50-100D-10  
VERTICAL, KNOB DOWN SHOWN



SC-52-100D-10  
HORIZONTAL, KNOB RIGHT SHOWN



SC-51-100D-10  
HORIZONTAL, KNOB LEFT SHOWN



SC-53-100D-10  
VERTICAL, KNOB UP SHOWN

SC-5R-100D-XX

- ORIENTATION
- 0-VERTICAL, KNOB DOWN
  - 1-HORIZONTAL, KNOB LEFT
  - 2-HORIZONTAL, KNOB RIGHT
  - 3-VERTICAL, KNOB UP

BLANK = WITHOUT LOGO  
-10 = SOUTHCO LOGO

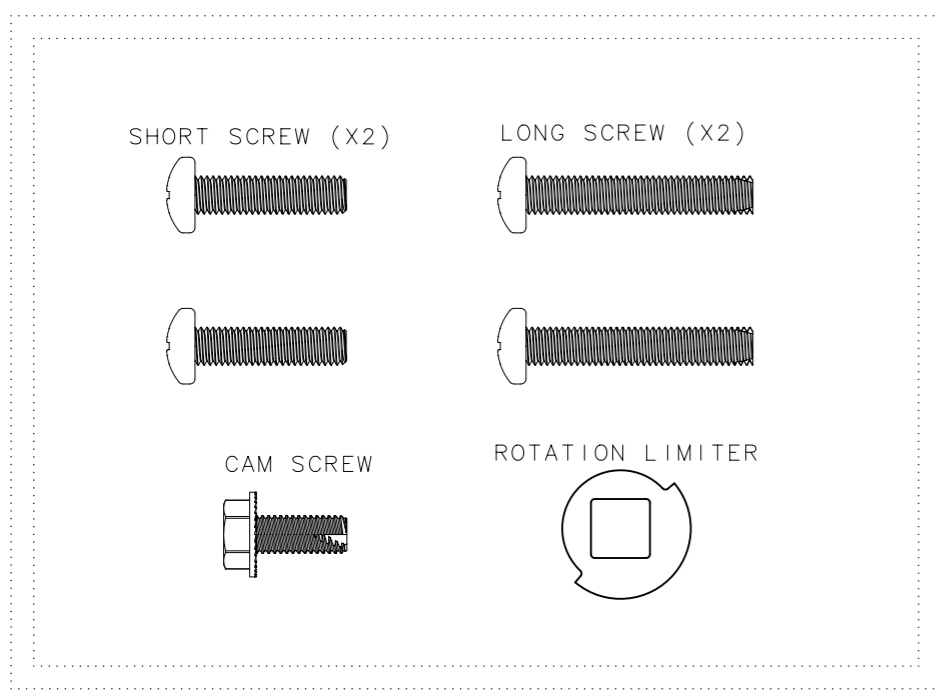
MOUNTING CUP

- 0-TALL (20.25 [.797])
- 1-SHORT (8.25 [.325])

SEE MOUNTING CUP SELECTION TABLE

THIRD ANGLE PROJECTION				 CONNECT • CREATE • INNOVATE		
TOLERANCES UNLESS OTHERWISE NOTED		DESCRIPTION				
ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.		SELF CONTAINED KEYPAD LATCH CODE MANAGED				
PROPRIETARY ITEM	SIZE A3	SYSTEM NX	DWG NO. J-SC-50-1000			
EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.	PER ASME Y14.5M-1994	DRAWN BY TJW	DATE 21OCT2015	SCALE 1:1	SHEET 2 OF 6	

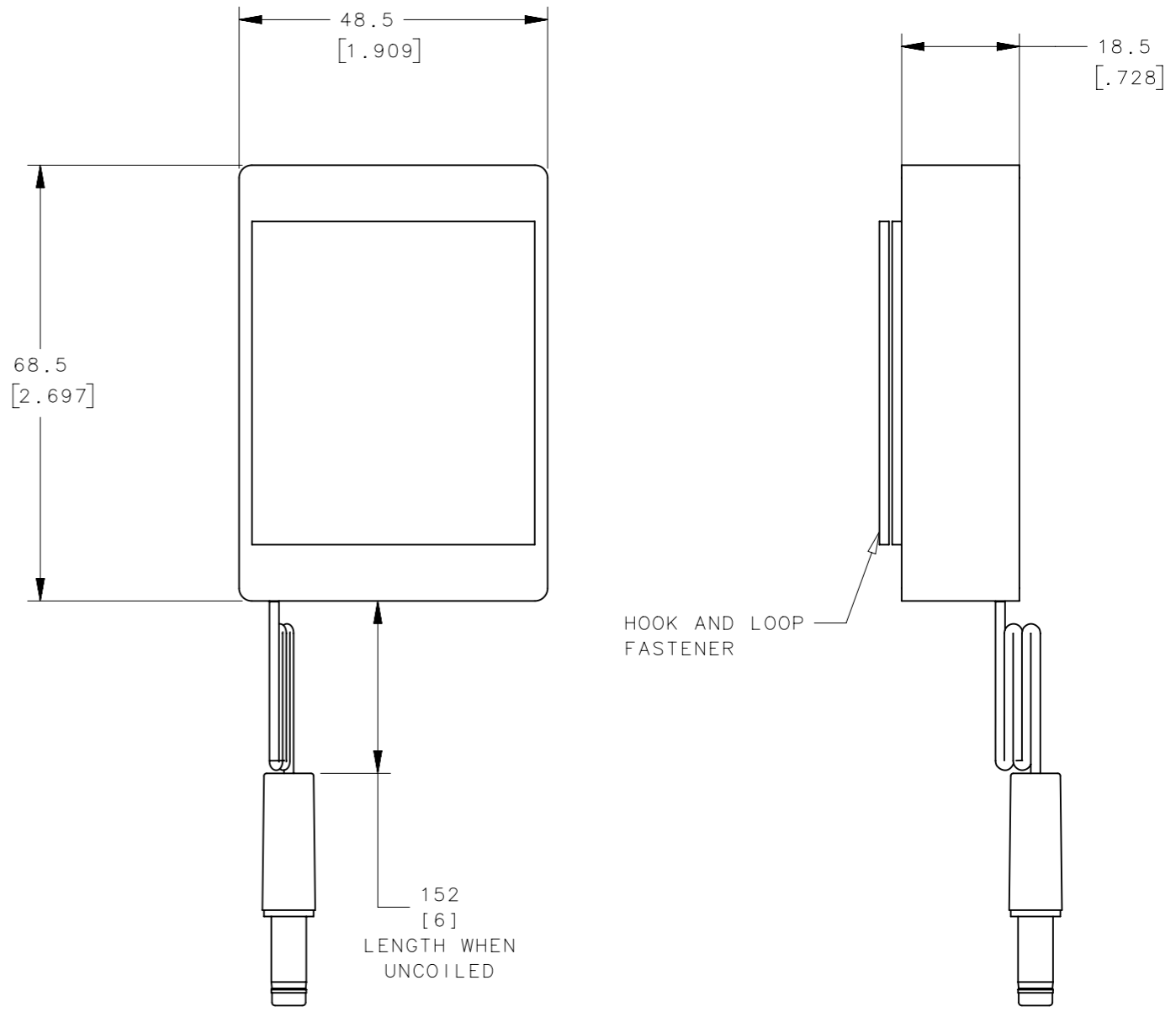
REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
E	01JUN2018	RKS/VK	PRN: P2018-1333



CONTENTS OF INCLUDED HARDWARE BAG

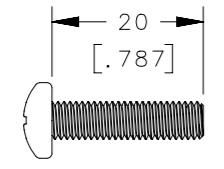
MOUNTING OPTIONS		
PANEL THICKNESS	MOUNTING CUP	MOUNTING SCREW*
1-5 [0.04-0.19]	TALL CUP	SHORT SCREW (2)
>5-10 [0.20-0.39]		LONG SCREW (2)
>10-15 [0.40-0.59]	SHORT CUP	SHORT SCREW (2)
>15-20 [0.60-0.79]		LONG SCREW (2)
>20-25 [0.80-0.98]		

\*SELECT THE 2 SCREWS NEEDED

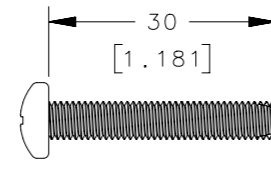


HOOK AND LOOP FASTENER

152 [6]  
LENGTH WHEN UNCOILED



SHORT SCREW



LONG SCREW

TALL MOUNTING CUP



SHORT MOUNTING CUP

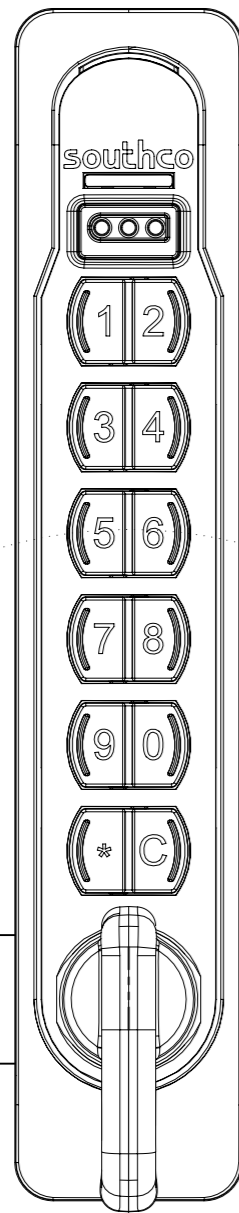


# BATTERY BOX

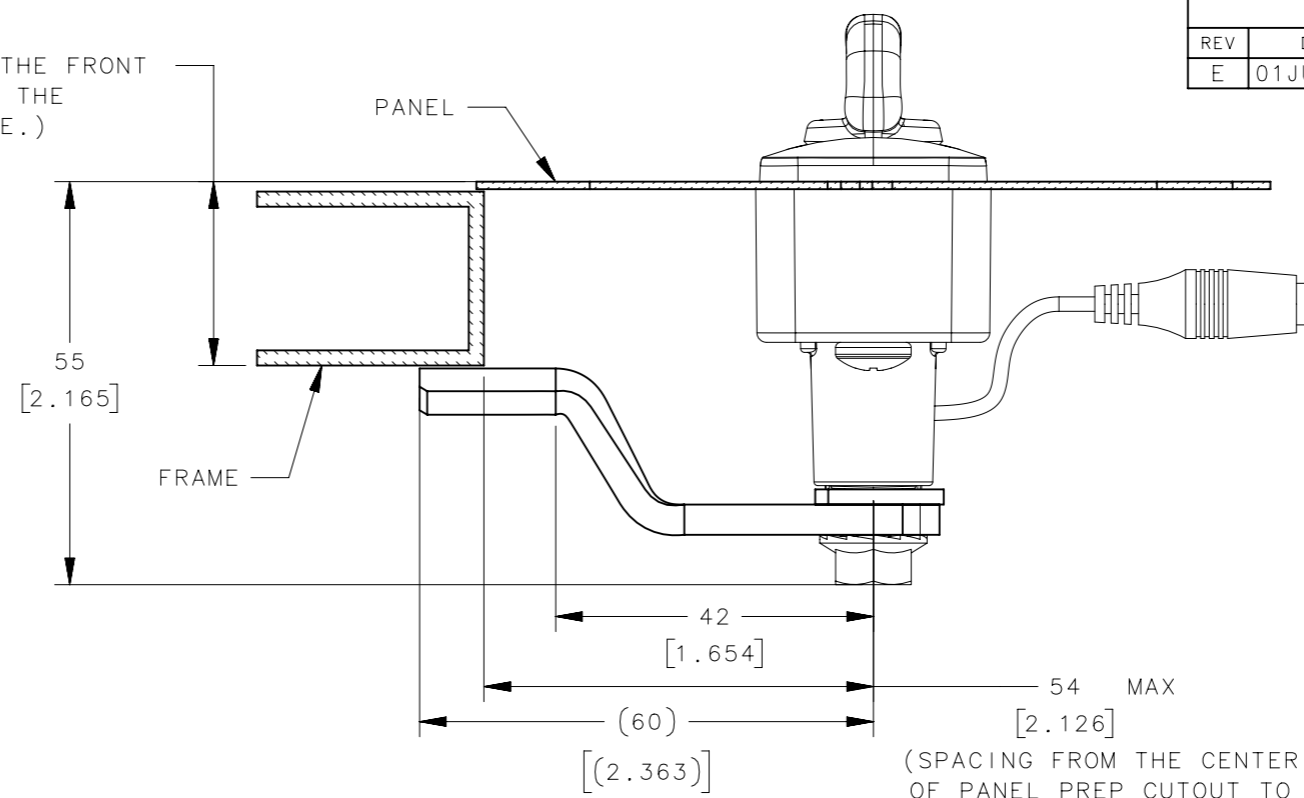
(3 AA BATTERIES NOT INCLUDED)

THIRD ANGLE PROJECTION				 CONNECT • CREATE • INNOVATE		
TOLERANCES UNLESS OTHERWISE NOTED			DESCRIPTION			
ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.			SELF CONTAINED KEYPAD LATCH CODE MANAGED			
PROPRIETARY ITEM	SIZE	SYSTEM	DWG NO.	J-SC-50-1000		
EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.	A3	NX				
PER ASME Y14.5M-1994	DRAWN BY	DATE	SCALE	SHEET		
	TJW	21OCT2015	1:1	3 OF 6		

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
E	01JUN2018	RKS/VK	PRN: P2018-1333

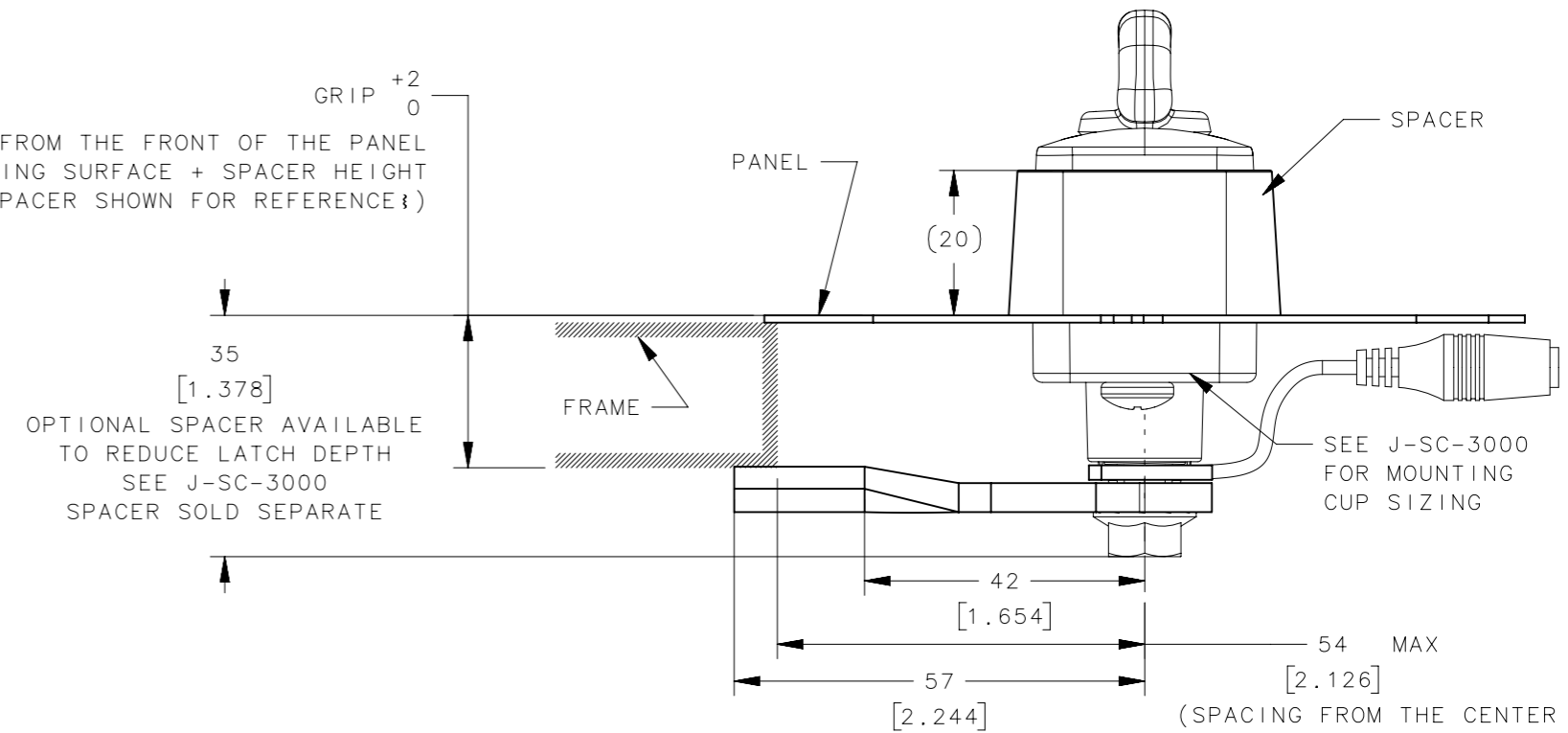


GRIP  $\begin{matrix} +2 \\ -0 \end{matrix}$  (MEASURED FROM THE FRONT OF THE PANEL TO THE LATCHING SURFACE.)



STANDARD LATCH ASSEMBLY WITHOUT OPTIONAL SPACER

GRIP  $\begin{matrix} +2 \\ 0 \end{matrix}$  (MEASURED FROM THE FRONT OF THE PANEL TO THE LATCHING SURFACE + SPACER HEIGHT ±20MM SPACER SHOWN FOR REFERENCE)



LATCH ASSEMBLY WITH OPTIONAL SPACER SC-3004-01

CAM GRIP OPTIONS (ORDER SEPERATELY)	
PART NUMBER	GRIP
SC-5000	42.5 [1.67]
SC-5002	40.5 [1.58]
SC-5004	38.5 [1.52]
SC-5006	36.5 [1.44]
SC-5008	34.5 [1.36]
SC-5010	32.5 [1.28]
SC-5012	30.5 [1.20]
SC-5014	28.5 [1.12]
SC-5016	26.5 [1.04]
SC-5018	24.5 [0.96]
SC-5020	22.5 [0.89]
SC-5022	20.5 [0.81]
SC-5024	18.5 [0.73]
SC-5026	16.5 [0.65]
SC-5028	14.5 [0.57]
SC-5030	12.5 [0.49]
SC-5032	10.5 [0.41]
SC-5034	8.5 [0.33]
SC-5036	6.5 [0.26]
SC-5038	4.5 [0.18]
SC-5040	2.5 [0.10]
SC-5042	0.5 [0.02]

60 [2.362] MINIMUM CLEARANCE FOR CAM SWING ARC

THIRD ANGLE PROJECTION						
MILLIMETERS [IN]		DESCRIPTION				
TOLERANCES UNLESS OTHERWISE NOTED		SELF CONTAINED KEYPAD LATCH CODE MANAGED				
ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.		SIZE A3	SYSTEM NX	DWG NO. J-SC-50-1000		
PER ASME Y14.5M-1994		DRAWN BY TJW	DATE 21OCT2015	SCALE 1:1	SHEET 4 OF 6	

PROPRIETARY ITEM EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
E	01JUN2018	RKS/VK	PRN: P2018-1333

4X R2.0 [.079] MAX

1mm PANEL SHOWN

MOUNTING CUP  
SEE NOTE 5  
(TALL CUP SHOWN)

MOUNTING SCREW  
SEE NOTE 6  
(SHORT SCREW SHOWN)

ROTATION LIMITER  
SEE NOTE 8  
(CLOCKWISE TO UNLOCK  
ORIENTATION SHOWN)

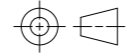

CAM  
SEE NOTE 12

CAM SCREW  
SEE NOTE 7

150  $\begin{matrix} +0.3 \\ 0 \end{matrix}$   
[ 5.906  $\begin{matrix} +.012 \\ -0 \end{matrix}$  ]

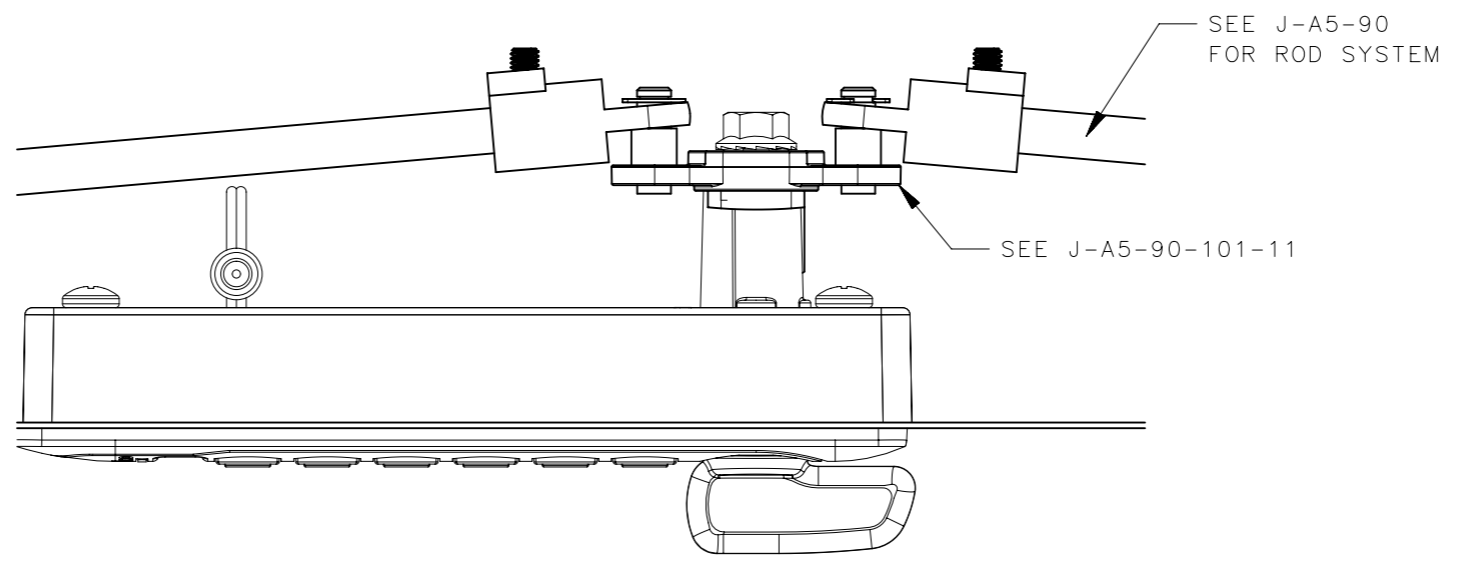
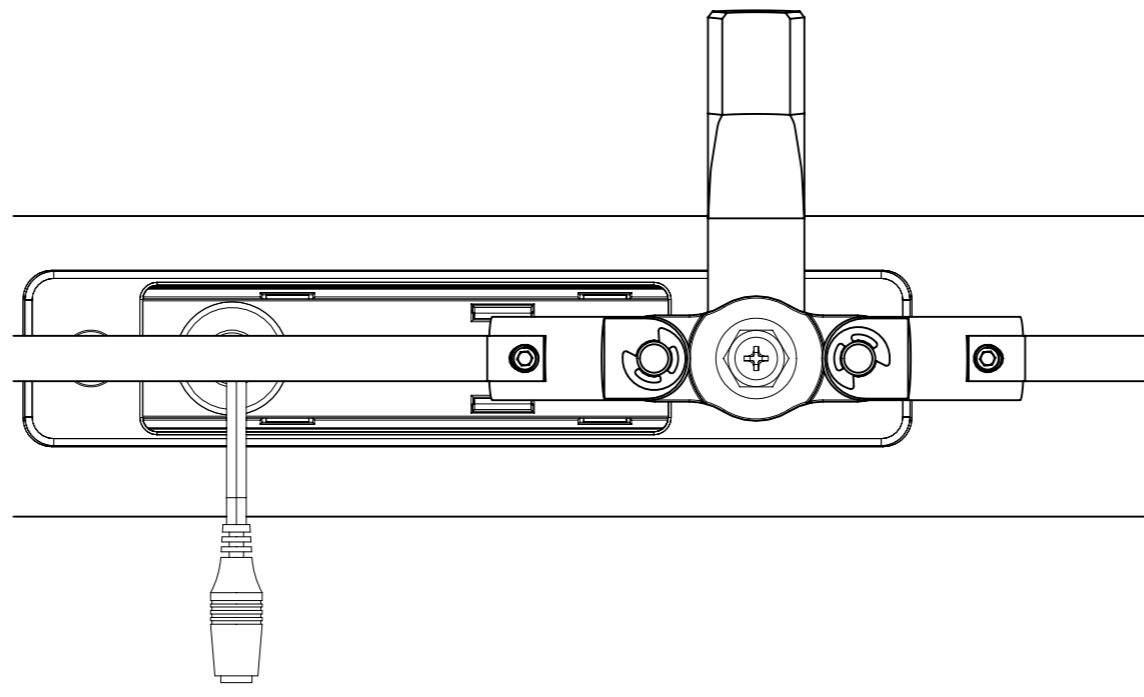
25  $\begin{matrix} +0.3 \\ 0 \end{matrix}$   
[ .984  $\begin{matrix} +.012 \\ -0 \end{matrix}$  ]

PANEL PREP (SCALE 1:1)  
PANEL THICKNESS: 1-25mm [0.04-0.98]

THIRD ANGLE PROJECTION 	 CONNECT • CREATE • INNOVATE		
TOLERANCES UNLESS OTHERWISE NOTED	DESCRIPTION SELF CONTAINED KEYPAD LATCH CODE MANAGED		
ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.	SIZE A3	SYSTEM NX	DWG NO. J-SC-50-1000
PROPRIETARY ITEM <small>EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.</small>	PER ASME Y14.5M-1994	DRAWN BY TJW	DATE 21OCT2015
		SCALE 1:1	SHEET 5 OF 6

REVISION HISTORY			
REV	DATE	BY	DESCRIPTION
E	01JUN2018	RKS/VK	PRN: P2018-1333

SC-50-1000 SHOWN WITH OPTIONAL  
A5-90-101-11 MULTI POINT  
ADAPTER PLATE ASSEMBLY



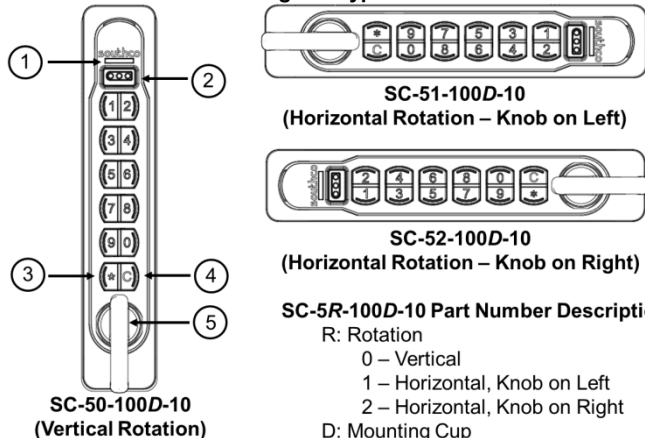
THIRD ANGLE PROJECTION		<b>southco</b> <sup>®</sup> CONNECT • CREATE • INNOVATE	
MILLIMETERS [IN]			
TOLERANCES UNLESS OTHERWISE NOTED		DESCRIPTION SELF CONTAINED KEYPAD LATCH CODE MANAGED	
ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.		SIZE A3	SYSTEM NX
PROPRIETARY ITEM EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.		DWG NO. J-SC-50-1000	DATE 21OCT2015
PER ASME Y14.5M-1994		DRAWN BY TJW	SCALE 1:1
		SHEET 6 OF 6	

# SC-5R-100D-10 Self-Contained Code-Managed Keypad Latch Operating Instructions

## Package Contents

- SC-5R-100D-10 Self-Contained Code-Managed Keypad Latch (qty 1)
- Rotation Limiter (qty 1)
- Cam Screw (qty 1)
- Short Mounting Screw (qty 2)
- Long Mounting Screw (qty 2)
- Battery Box (qty 1)  
(3 AA batteries not included)
- Operating Instructions (qty 1)

## Self-Contained Code-Managed Keypad Latch



**SC-5R-100D-10 Part Number Description:**  
 R: Rotation  
 0 – Vertical  
 1 – Horizontal, Knob on Left  
 2 – Horizontal, Knob on Right  
 D: Mounting Cup  
 0 – Tall  
 1 – Short

1. Status Indicator
2. Electronic Key Port
3. Unlock ([\*]) button
4. Clear ([C]) button
5. Knob

## Features

- Blue status indicator
- Six second access time
- Supports 6-digit owner, 5-digit manager, and 4-digit user codes.
- Lockout mode
- Uses 3 AA batteries (not included)
- Battery Back-Up
- Indoor use only

## Battery Box

**WARNING:** Use only the included battery box to provide power to the latch. The use of any other power supply may affect product functionality and will void product warranty.

Contact Southco if a replacement battery box is needed.

## Mounting and Installation

Please refer to Southco trade drawing J-SC-50-1000 for mounting and installation details.

**WARNING:** The latch is shipped with both short and long mounting screws. Be sure to use the appropriate mounting screw for the latch's mounting cup and panel thickness, as shown below. See J-SC-50-1000 for additional details.

panel thickness	mounting cup	mounting screw
1 – 5 mm	tall cup (SC-5R-1000-10)	short screw
>5 – 10 mm		long screw
>10 – 15 mm		short screw
>15 – 20 mm	short cup (SC-5R-1001-10)	short screw
>20 – 25 mm		long screw

## Black Manager Key Battery Back-Up

In the event the battery power supply for the latch runs out, an SC-A20-10 black manager key (**sold separately**) can be used to open the latch by contacting it to the electronic key port while entering the owner, manager, or user code for access.

**NOTE:** The manager key must be held to the electronic key port while entering the code and for the full duration of the unlock/lock cycle for the latch to re-lock.

## Low Battery Indicator

If the battery power supply is low, the latch will emit a pair of warning beeps after access is granted. The batteries in the battery box should be replaced.

## Programming the Latch

The unit is shipped with the following default codes:

<b>owner code</b>	214365
<b>manager code</b>	21436

### Program a New Owner Code

1. Press [C] [\*]
2. Enter the current 6-digit owner code
3. Press [\*]. The unit will beep twice and the status indicator will turn on.
4. Press [C]
5. Enter the new 6-digit owner code
6. Press [\*]. The unit will beep twice.
7. Press [C]
8. Re-enter the new 6-digit owner code
9. Press [\*]. The unit will beep twice, and the status indicator will turn off.



# SC-5R-100D-10 Self-Contained Code-Managed Keypad Latch Operating Instructions

## Program a New Manager Code

Using the Owner Code:

1. Press [C] [\*]
2. Enter the 6-digit owner code
3. Press [\*] The unit will beep twice and the status indicator will turn on.
4. Press [C]
5. Enter the new 5-digit manager code
6. Press [\*]. The unit will beep twice.
7. Press [C]
  
8. Re-enter the new 5-digit manager code
9. Press [\*]. The unit will beep twice, and the status indicator will turn off.

Using the Current Manager Code:

1. Press [C] [\*]
2. Enter the 5-digit manager code.
3. Press [\*] The unit will beep twice and the status indicator will turn on.
4. Press [C]
5. Enter the new 5-digit manager code
6. Press [\*]. The unit will beep twice.
7. Press [C]
8. Re-enter the new 5-digit manager code
9. Press [\*]. The unit will beep twice, and the status indicator will turn off.

## Program a New User Code

1. Press [C] [\*]
2. Enter the 5-digit manager code
3. Press [\*] The unit will beep twice and the status indicator will turn on.
4. Press [C]
5. Enter the new 4-digit user code
6. Press [\*]. The unit will beep twice.
7. Press [C]
8. Re-enter the new 4-digit user code
9. Press [\*]. The unit will beep twice, and the status indicator will turn off.

**NOTE:** Once a new user code is programmed, the previously programmed user code will be erased.

## Normal Use

*Using the Owner Code*

1. Press [C] [6-digit owner code] [\*]. The latch will unlock and the status indicator will flash for six seconds.
2. While the status indicator is flashing, turn the knob to open the latch.
3. The latch will re-lock after six seconds. Turn the knob to its original position to secure the latch.

*Using the Manager Code*

1. Press [C] [5-digit manager code] [\*]. The latch will unlock and the status indicator will flash for six seconds.
2. While the status indicator is flashing, turn the knob to open the latch.
3. The latch will re-lock after six seconds. Turn the knob to its original position to secure the latch.

*Using a User Code*

1. Press [C] [4-digit user code] [\*]. The latch will unlock and the status indicator will flash for six seconds.
2. While the status indicator is flashing, turn the knob to open the latch.
3. The latch will re-lock after six seconds. Turn the knob to its original position to secure the latch.

## Lockout Mode

Entry of three consecutive incorrect user, manager, or owner codes will put the latch into lockout mode for one minute. While in lockout mode, keys on the keypad will not respond, and the status indicator will blink.

The latch will return to normal mode after one minute. If an incorrect code is entered during lockout mode or after the latch returns to normal mode, then the latch will be put back into lockout mode for an additional minute.

## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

**CAUTION:** Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

## Industry Canada Compliance Statement

CAN ICES-3 (B)/NMB-3(B)