

Dresser Utility Solutions

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Product Update Notice

RCS SurePowr Actuators (S65/100/150)

Blanketless High Temperature SurePowr 65/100/150 Actuators

June 2021

Product Update Notices provide information about updates, enhancements, improvements, certifications, and other changes to new and current Dresser Industrial Products Group. The information in these notices is intended to help you take advantage of the continuous improvements to Dresser Industrial Products Group and services.



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Products	482°F (250°C) @1hr	482°F (250°C) @2hr	752°F (400°C) @2hr
	Without Blanket	Thermal Blanket 1.5"	Thermal Blanket 2.5"
	(15 Minutes Interval)	(15 Minutes Interval)	(15 Minutes Interval)
Sure 65 (120V 60 Hz. /780 in-lbs.)	~	~	~
Sure 100 (120V 60 Hz. /1200 in-lbs.)	~	~	~
Sure 150 (120V 60 Hz. /1800 in-lbs.)	~	~	~
Units with SCC10/ACT 100/Device Net		~	

Note: Testing was conducted without the use of a thermal protective overload device as recommended by NFPA 130

Product Update Details

- Upgraded motor
- Upgraded capacitor

User Benefits

- Improved component resistance to high temperatures required for tunnel applications.
- Reduced equipment cost by eliminating thermal blanket when NFPA requirements are at 482°F (250°C) for a minimum of 60mins.
- Simplified installation when a blanket is not required.

Support Contacts

For further information, you may contact:

- Your Dresser NGS Sales Manager
- Call us at Phone 832-590-2306, or toll-free number 1-800-945-9898
- Via email at <u>rcs.info@dresserngs.com</u>

You may also visit us https://www.dresserutility.com

Life Cycle Program Overview

Blanketless high temperature SurePowr 65/100/150 actuators hardware utilizes a life cycle management program consisting of the following phases:

Product Release-New Actuators Orders

All SurePowr Series S65, S100, and S150 are now available with upgraded components. Model numbering will remain the same for non-tunnel applications.

Non-Tunnel Application Tunnel Application SUREPOWR™ *SUREPOWR*™ DRESSER SERIAL: SEE NOTE A SERIAL: SEE NOTE A MODEL: SURE 65-10 SEC, CW UU MODEL: SURE 65-10 SEC, CW TORQUE: 780 IN-LBS TORQUE: 780 IN-LBS TEMP. & DUTY: -40°C TO +40°C IS 30% & +40°C TO +65° IS 20% TEMP. & DUTY: -40°C TO +40°C IS 30% & +40°C TO +65° IS 20% REV. MTR. PWR: 120VAC/1PH/50/60HZ, 1.60 A MAX FLA 19-364, MTR. PWR: 120VAC/1PH/50/60HZ, 1.60 A MAX FLA ADD'L PWR.: HTR 120VAC/1PH50/60HZ, 0.05 A MAX FLA ADD'L PWR.: RC120VAC/1PH50/60HZ, 0.04 A MAX FLA SINGLE-POLE, DOUBLE-THROW, UL AND CSA LISTED, 15 AMP AND \$\frac{1}{2} H.P. 125 OR 250 VAC 1/2 AMP 125 VDC 1/4 AMP 250 VDC 5 AMP @ 120 Vac for incandescent lamp SINGLE-POLE, DOUBLE-THROW, UL AND CSA LISTED, 15 AMP AND \$\frac{1}{2}\text{ H.P. 125 OR 250 VAC 1/2 AMP 125 VDC 1/4 AMP 250 VDC 5 AMP @ 120 Vac for incandescent lamp WARNING! Disconnect power before removing cover. There may be more than one live circuit. Cover joints must be cleaned before replacing cover. A seal shall be installed within 50 mm of enclosure. WARNINGI Disconnect power before removing cover. There may be more than one live circuit. Cover joints must be cleaned before replacing cover. A seal shall be installed within 50 mm of enclosure. ATTENTIONI Débranchez l'alimentation avant de retirer le couverde. Il peut y avoir plus d'un circuit sous tension de couverde doivent être nettoyés avant de replacer le couverde. Un joint doit être installé à moins de 50 mm de NATURAL GAS SOULTIONS NAL LUS 16240 PORT NORTHWEST DRIVE, HOUSTON, TX 77041 U.S.A. Pik. +1-832.590,2306 ATTENTIONI Débranchez l'alimentation avant de retirer le couvercle. Il peut y avoir plus d'un circuit sous tension. Les joint de couvercle doivent être nettoyés avant de replacer le couvercle. Un joint doit être installé à moins de 50 mm de l'enceinte. NATURAL GAS SOLUTIONS N.A., LLC, 16240 PORT NORTHWEST DRIVE, HOUSTON, TX 77041 U.S.A. PH: +1- 832.590.2306

FIG-1: Nameplate examples

Model	Old Model Number (CW)	New Model Number (CW)	Old Model Number (CCW or CC)	New Model Number (CCW or CC)
Sure 65	SURE 65-10SEC, CW	SURE 65-10SEC, CW- XX*	SURE 65-10SEC, CC	SURE 65-10SEC, CC- XX*
Sure 65	SURE 65-30SEC, CW	SURE 65-30SEC, CW- XX*	SURE 65-30SEC, CC	SURE 65-30SEC, CC- XX*
Sure 100	SURE 100-10SEC, CW	SURE 100-10SEC, CW- XX*	SURE 100-10SEC, CC	SURE 100-10SEC, CC-XX*
Sure 100	SURE 100-30SEC, CW	SURE 100-30SEC, CW- XX*	SURE 100-30SEC, CC	SURE 100-30SEC, CC-XX*
Sure 150	SURE 150-15SEC, CW	SURE 150-15SEC, CW- XX*	SURE 150-15SEC, CC	SURE 150-15SEC, CC-XX*

^{*}XX would be UU or UA or UB

• Field Retrofit-Orders from Authorized Distributors

Consult RCS for more details.

Spares Parts

For new spare parts, refer to the part list on this document and use **New Part#** to replace respective part. For existing inventories, parts listed can continue to be used, but are not applicable for the higher temperatures as described in this Product Update. New motors listed in the part list can be used for non-tunnel applications using RCS SurePowr actuators ... no need to change capacitor and wiring or electrical harness.

Obsolete

New motors and capacitors listed will replaced old parts. Replaced parts will be obsolete for future new products.

Part List

• Electric Motors

Part Description	New Part #	Old Part #	
Electric Motor Sure65 – 10 Sec	31-181	31-162	
Electric Motor Sure100 – 10 Sec	31-182	31-135-5wire	
Electric Motor Sure150 – 15 Sec	31-182	31-135-5wire	
Electric Motor Sure65 - 30sec	31-183	31-134-5wire	
Electric Motor Sure100 - 30sec	31-183	31-134-5wire	

• Capacitors

Part Description	New Part #	Old Part #	Model (120VAC)
CAPACITOR, 16.5 µF, 250 V AC 105 C	61-70-165	61-70-18	Sure 65-10 Sec
CAPACITOR, 8 µF, 250 V AC 105 C	61-70-08	61-71-08	Sure 65-30 Sec
CAPACITOR, 25 μF, 250 V AC 105 C	61-70-25	61-66-25	Sure 100-10sec &
CAPACITOR, 25 μF, 250 V AC 105 C	01-70-25	01-00-25	Sure 150-15sec
CAPACITOR, 10 µF, 250 V AC 105 C	61-70-10	61-66-10	Sure 100-30 Sec