

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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Product Update Overview

RCS SurePowr Actuators models S65, S100, and S150 have been improved to remain fully operational after exposure to temperatures of 482°F (250°C) for a minimum of 60mins, without a protective thermal blanket.

Products	482°F (250°C) @1hr Without Blanket (15 Minutes Interval)	482°F (250°C) @2hr Thermal Blanket 1.5" (15 Minutes Interval)	752°F (400°C) @2hr Thermal Blanket 2.5" (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 rca.info@dresserngs.com

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

Life Cycle Program Overview

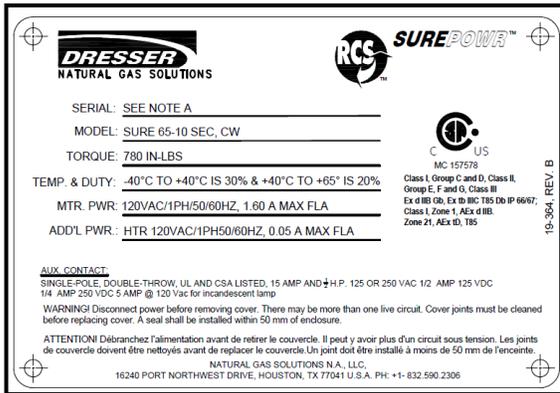
Blanketless high temperature SurePowr 65/100/150 actuators hardware utilizes a life cycle management program consisting of the following phases:

- **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.

Tunnel application units will have a unique part number, so that a no-blanket high temperature unit can be traced. The model number will have the following indicator: XXXXXXXXXX-XX. The suffix UU, UA or UB [FIG.1] is the identifier for this type of actuator.

Non-Tunnel Application



Tunnel Application

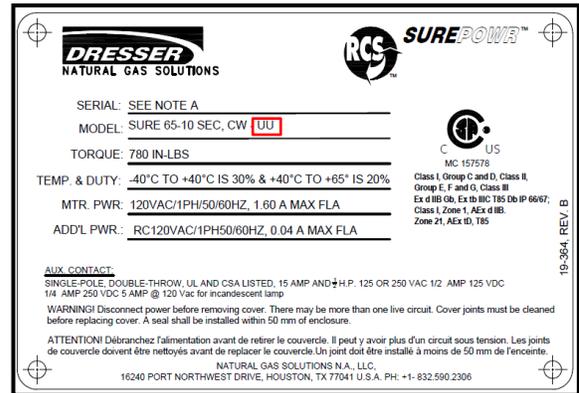


FIG-1: Nameplate examples

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 be 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 μ F, 250 V AC 105 C	61-70-165	61-70-18	Sure 65-10 Sec
CAPACITOR, 8 μ F, 250 V AC 105 C	61-70-08	61-71-08	Sure 65-30 Sec
CAPACITOR, 25 μ F, 250 V AC 105 C	61-70-25	61-66-25	Sure 100-10sec & Sure 150-15sec
CAPACITOR, 10 μ F, 250 V AC 105 C	61-70-10	61-66-10	Sure 100-30 Sec