

## Cylinder Heat Blanket with Single Pole Thermostat Installation Instructions

### IMPORTANT USE INSTRUCTIONS

DCG Cylinder Heat Blankets (CHB) are equipped with a preset adjustable analog Thermostat. The Thermostat Temperature Sensor Bulb (TTSB) has been pre-attached to the CHB midway up the CHB opposite the opening through a series of loops sewn onto the blanket and secured with a nylon cable tie. This is to prevent the bulb from being too close proximity to the self-limiting heating cable and to minimize the chance of the installer failing to attach or improperly attaching the TTSB to the cylinder. The TTSB has been positioned to rest against the cylinder wall. It is important for the installer to check to make sure the TTSB is securely fastened to the CHB in this manner and that it did not come loose during shipping (figure 1). If the TTSB is not properly secured contact your DCG Technical Specialist before using the Cylinder Heat Blanket.

This CHB is equipped with a Temperature Control Cut-Off Device (TCCD). The TCCD is located in the Junction box of the CHB and the temperature-sensing bulb (figure 2) is sewn into the blanket so that it will rest against the cylinder wall.

The TCCD is designed to cut off power to the CHB if the skin temperature of the cylinder reaches 179°F by opening the electrical circuit. This is a safety feature to prevent overheating from occurring. Once the skin temperature of the cylinder cools the TCCD will not automatically reclose the electrical circuit. If power is cut off, the CHB should never be used and should always be returned to DCG for a diagnostic evaluation to determine the cause of the overheating.

### You Will Need:

1. 20 Amp Breaker size
2. #12 minimum copper wire for the power supply (connects to the black cable of CHB)
3. #12 minimum copper wire for the neutral supply (connects to the white cable of CHB)
4. #12 minimum copper wire for the ground supply (connects to the green cable of CHB)

### POWER REQUIREMENTS 120 Volt AC.



**Figure 1**



**Figure 2**

*DCG Spec-Brief™*  
*Consult the following Spec's for  
related Applications:*

**SB-100 Cylinder Heat Blanket**

The CHB may be equipped with an optional thermostat stand. The Thermostat stand must be securely fastened to a concrete pad using four concrete anchor bolts. The thermostat must be securely mounted to the thermostat stand as shown in below in figure 3.



Figure 3

**CAUTION:**

1. Do not fold the CHB (folding the CHB may result in damage to the internal components).
2. Do not adjust the Thermostat-The Thermostat is Factory calibrated and set to 125°F.
3. Do not attempt to open the thermostat or Junction box. Breaking the seal on Thermostat or Junction box will void the manufacturer's warranty.
4. Do not reset the TCCD. This switch should not be reset without proper diagnosis of the CHB overheating problem.

**Note:** The National Electrical Code requires ground-fault protection of equipment. Check local codes for ground-fault protection requirements.

**DCG's Cylinder Heat Blanket (CHB) should always be installed by a certified electrician.**

*These installation instructions do not purport to address all of the safety concerns, if any, associated with the use of this cylinder heat blanket. It is the responsibility of the user to establish the appropriate safety practices for their facility, as well as all persons who may come in contact with the Cylinder Heat Blanket, prior to or during the use of this equipment.*



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