



"Quality by Design, Satisfaction by Performance"

### FEATURES:



- **Increased Safety**  
Feedback of brake performance and wear
- **Reduced Driller Fatigue**  
Full Brake application with minimal force
- **Remotely Located Driller**  
Driller can be located anywhere on the drill floor
- **Improved Cabin Layout**  
Brake handle does not dictate cabin layout
- **Crown/floor Saver Options**  
Refer to TBC 4800 Series data sheet
- **Auto-Driller Options**  
Refer to Auto-Driller 4900 Series data sheet

### Description:

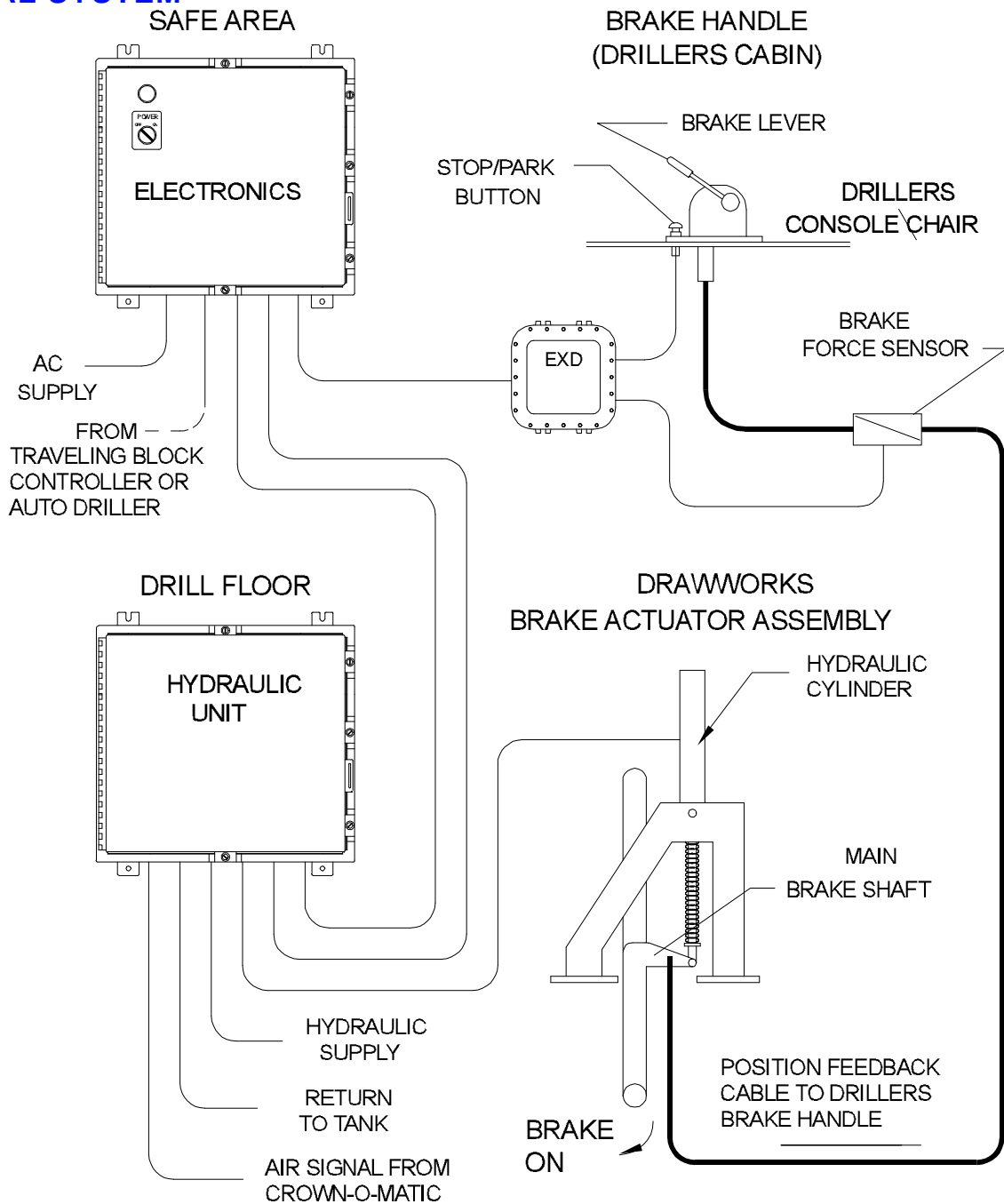
The Drawworks Brake – Servo Controller is one of a family of products, which belong to Innovative's range of Precision Drawworks Control Systems. DBCS-7001 provides precise control of the drawworks drum brake, from a remote position, resulting in easier and safer traveling block operations. When allied with the features and benefits of our Traveling Block Controller, they combine to reduce the possibility of collisions with the crown block and drill floor. The end result is improved safety with fewer accidents, reduced rig down time and thereby lower costs.

DBSC-7001 exceeds the performance of other remote brake controls by providing the driller with feedback of the force being applied to, and the position of, the brake bands. This feedback feature allows the driller to sense the exact point at which the drum begins to move ensuring that the traveling block can be lowered by the smallest of increments, irrespective of hook load. Likewise, when drive is being applied to lift the load, via the drawworks clutches and

motors, then the feedback feature allows the driller to feel and control the amount of motor torque which is required to overcome and lift the load. In this way the driller can ensure a smooth transition from a stationary position in to upward motion. Additionally, any changes in the characteristics and performance of the brake are made immediately obvious to the driller, prompting inspection and repair prior to a major failure occurring. As with a conventional brake lever, the point at which the brake bands come in to contact with the brake drum alters as the friction material wears away, ensuring that brake band adjustment is performed on a regular basis.

Because DBSC-7001 requires only a fraction of the operating effort required by that of a conventional brake handle, driller fatigue is greatly reduced. The possibility of injury from the violent motion of the heavy brake handle is also eliminated giving a further and significant safety benefit.

## TYPICAL SYSTEM



## ADDITIONAL INFORMATION

The Drawworks Brake Servo Controller can be supplied in various configurations depending on requirements. Packages are available for permanent installation or for moving from site to site. This product can

interface directly with the Traveling Block Controller Series 4800 and the Auto Driller Series 4900. For more information contact Innovative Electronics or your local representative.

For Additional Information Contact:

