

**New From Hilliard!**



# ***BRAKEBOSS***

**TM**

***BRAKE CONTROL SYSTEMS***



# **Hilliard**

**TM**

# **BRAKEBOSS™**

The Hilliard Corporation introduces the BRAKEBOSS™ family of brake control systems. These are designed to operate a wide range of Hilliard / Twiflex brake systems in demanding applications such as mining, material handling, power generation and steel. They are constructed of high quality, locally available components. BRAKEBOSS™ power units are designed for use in harsh environmental conditions.

The BRAKEBOSS™ family consists of 3 levels, from basic on/off operation to computer controlled braking.

## **H3 POWER UNIT**

The H3 Power Unit is Hilliard's most advanced Brake Control System. PID Loop Control monitors speed and continuously adjusts brake pressure to follow a preselected Start/Stop profile.

-Controls Start Time applications with high overhauling load conditions

-Controls stop time independent of load and speed

-UPS Battery backup to make a controlled stop during power failure



-Superior belt tension management for long conveyors or conveyors with horizontal and vertical curves

-On-Board fault diagnostics with alarms interfacing with the customers PLC

## **SCREEN SHOTS**



System Status

Speed Graph

Pressure Graph

Alarm Screen

## **H2 POWER UNIT**

The Hilliard Model H2 Power Unit incorporates an engineered hydraulic circuit to control the brake torque during an E-Stop. Large capacity hydraulic accumulators provide additional volume for precise control of brake pressure.

- Controlled Braking Mode
- Fully Enclosed in NEMA 4 Cabinet
- High Pressure Filtration Ensures Trouble Free Operation
- Manual Overrides and Hand Pump for Brake Operation During Power Outage



## **H1 POWER UNIT**

The H1 Power Unit is Hilliard's base model that includes on/off and ramped braking modes. There are many options available to customize the system to specific needs of the application.

- Low cost alternative
- Integral manifold mounting
- Heavy Duty pump with fail-safe design



# **BRAKEBOSS™**

Features & Options	<b>H1</b>	<b>H2</b>	<b>H3</b>
On/Off Braking Mode	S	S	S
Ramped Braking Mode	S	S	S
Controlled Braking Mode		S	S
Closed Loop Controlled Braking (PID Loop)			S
Free Standing Floor Mount	S	S	S
Steel Reservoir	S	S	S
Hand Pump	O	S	S
480VAC Pump Motor Voltage	S	S	S
24VDC, 120VAC, 220VAC Pump Motor Voltage	O		
Manual Locking Overrides	S	S	S
24VDC Solenoid Coils	O	O	S
120 VAC Solenoid Coils	S	S	
Oil Level Site Glass with Temperature Indicator	S	S	S
NEMA 4 Enclosure	O	S	S
Motor Contactor with Enclosure	O	S	S
Immersion Oil Tank Heater	O	S	S
Brake Apply/Release Pressure Switch		S	
Brake Apply/Release Pressure Transmitter		O	S
Low Oil, Low-Low Oil, High Oil Temp Switch		O	S
Cabinet Heater and Fan		O	O
High Pressure Filter		S	S
Electronic Filter Clogging Indicator		O	S
Allen Bradley Control PLC			S
Ethernet Communication to Customer's PLC			S
A-B Panel View Plus Color Operator Interface			S
UPS Battery Backup			S
RPM Speed Sensor			S
Proportional Relief Valve			S
Fault and Alarm Log with History			S
External Visual Brake Status Indicator			O
On Board Stop/Start Data Collection			S
On Board Brake Fault Diagnosis			S

S= Standard, O= Option Available, Blank= Option Not Available On This Model

## Your Local Representative:



**Hilliard**  
MOTION CONTROL DIVISION

**BBCS-1**

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